

FIG. 1

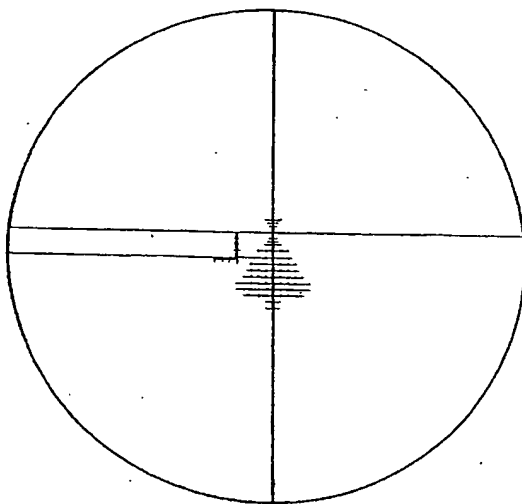


FIG. 3

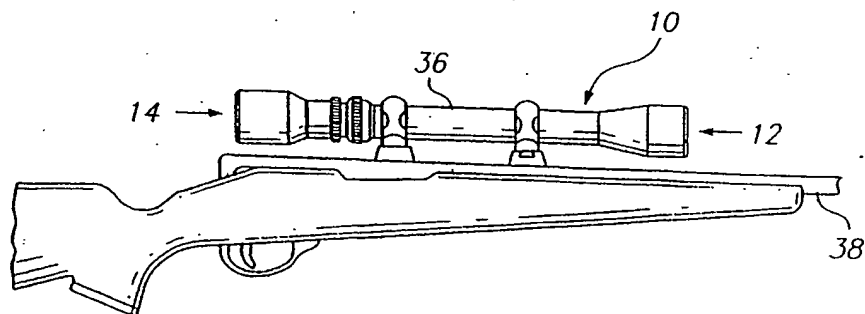


FIG. 4

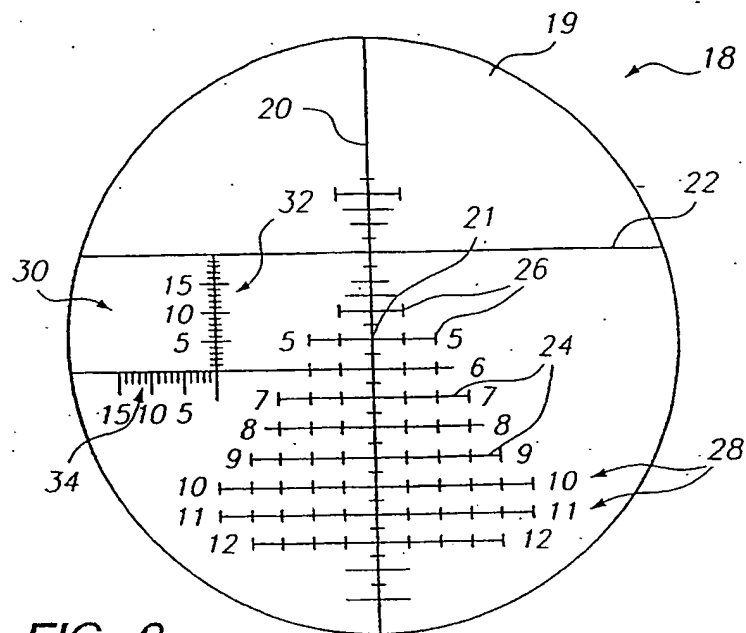


FIG. 2

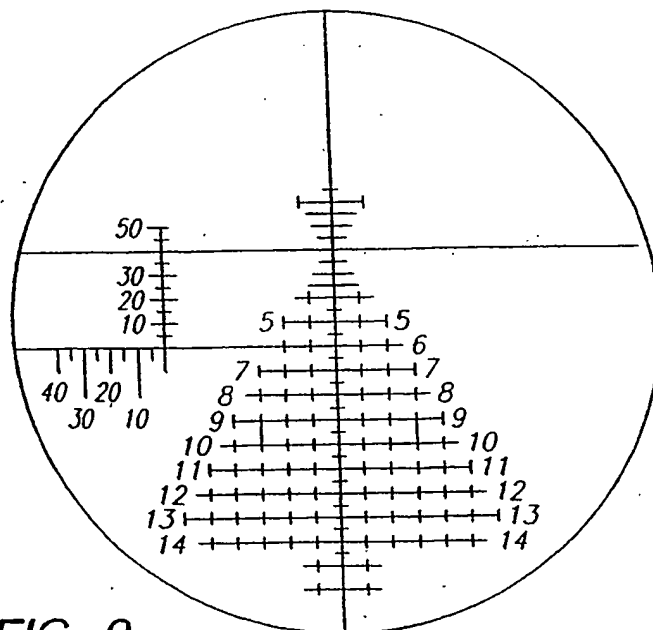


FIG. 9

Sights on at 500 yards. Sights are 3.00 inches above bore.  
Angle of Departure = 0.21 deg. (Firing angle = 0 deg.)

|             |     |     |      |      |      |      |      |      |     |     |
|-------------|-----|-----|------|------|------|------|------|------|-----|-----|
| Range (yds) | 50  | 100 | 150  | 200  | 250  | 300  | 350  | 400  | 450 | 500 |
| Traj. (in.) | 3.3 | 8.3 | 12.2 | 14.8 | 16.1 | 16.0 | 14.4 | 11.2 | 6.5 | 0.0 |
| Traj. (MOA) | 6.2 | 8.0 | 7.8  | 7.1  | 6.2  | 5.1  | 3.9  | 2.7  | 1.4 | 0.0 |

|             |      |       |       |       |       |       |       |       |       |       |
|-------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Range (yds) | 550  | 600   | 650   | 700   | 750   | 800   | 850   | 900   | 900   | 1000  |
| Traj. (in.) | -8.2 | -18.4 | -30.5 | -44.6 | -61.0 | -79.7 | -101  | -124  | -151  | -180  |
| Traj. (MOA) | -1.4 | -2.9  | -4.5  | -6.1  | -7.8  | -9.5  | -11.3 | -13.2 | -15.1 | -17.2 |

|             |       |       |       |       |       |       |       |       |       |       |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Range (yds) | 1050  | 1100  | 1150  | 1200  | 1250  | 1300  | 1350  | 1400  | 1450  | 1500  |
| Traj. (in.) | -212  | -247  | -286  | -328  | -374  | -424  | -477  | -535  | -598  | -665  |
| Traj. (MOA) | -19.3 | -21.5 | -23.7 | -26.1 | -28.6 | -31.1 | -33.8 | -36.5 | -39.4 | -42.4 |

|             |       |       |       |       |       |       |       |       |       |       |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Range (yds) | 1550  | 1600  | 1650  | 1700  | 1750  | 1800  | 1850  | 1900  | 1950  | 2000  |
| Traj. (in.) | -738  | -816  | -899  | -989  | -1085 | -1187 | -1295 | -1411 | -1533 | -1662 |
| Traj. (MOA) | -45.5 | -48.7 | -52.1 | -55.6 | -59.2 | -63.0 | -66.9 | -70.9 | -75.1 | -79.4 |

|             |       |       |       |       |        |        |        |        |        |        |
|-------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| Range (yds) | 2050  | 2100  | 2150  | 2200  | 2250   | 2300   | 2350   | 2400   | 2450   | 2500   |
| Traj. (in.) | -1799 | -1942 | -2093 | -2252 | -2418  | -2592  | -2774  | -2965  | -3163  | -3370  |
| Traj. (MOA) | -83.8 | -88.3 | -93.0 | -97.8 | -102.6 | -107.6 | -112.8 | -118.0 | -123.3 | -128.7 |

FIG. 5

WORKSHEET

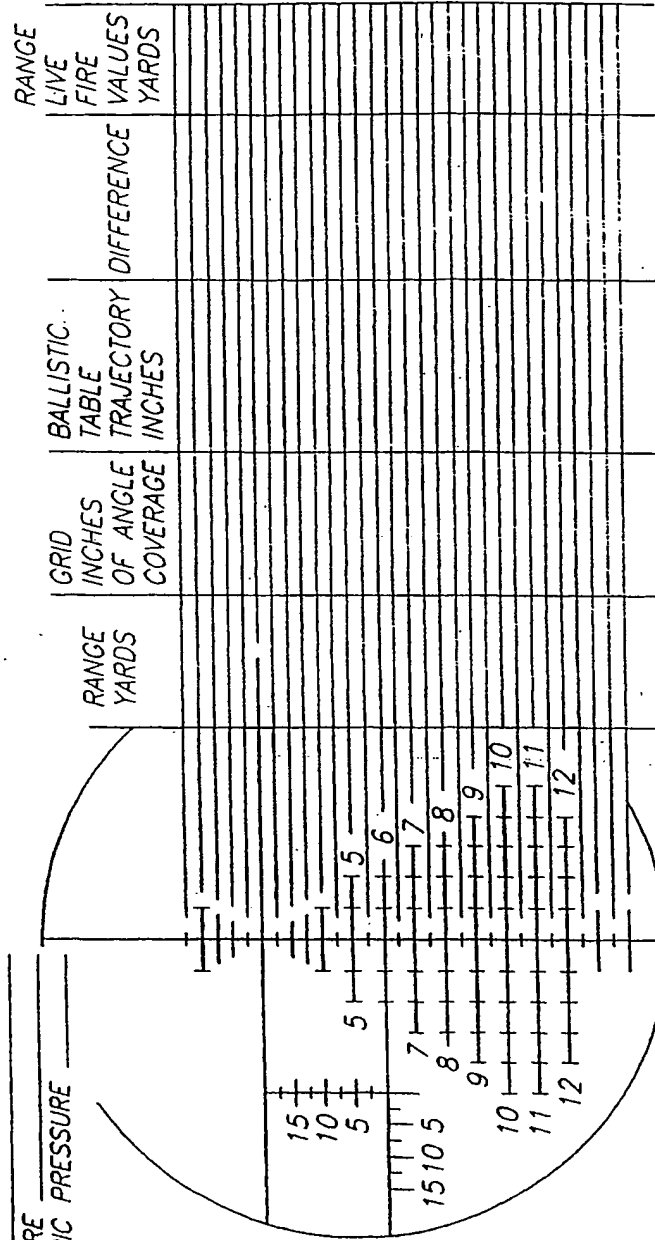


FIG. 6

DATE \_\_\_\_\_  
NOTES \_\_\_\_\_

WORKSHEET

CALIBER .50 Cal BMG  
TYPE OF BULLET 750gr AMAX MATCH  
BULLET WEIGHT 750gr  
EFFECTIVE BAL COEFF 0.750  
BAL. COEFF A SIP 0.750  
COEFFICIENT OF FORM 0.571  
ALTITUDE 60.0F  
TEMPERATURE 30.0 IN.  
ATMOSPHERIC PRESSURE 30.0 IN.

| RANGE<br>YARDS | GRID<br>INCHES<br>OF ANGLE<br>COVERAGE | BALLISTIC<br>TABLE<br>TRAJECTORY<br>INCHES | DIFFERENCE | RANGE<br>LIVE<br>FIRE<br>VALUES<br>YARDS |
|----------------|--|--|------------|--|
| 100            | 7.5                                    | +8.3                                       | 1          |  |
| 200            | 15                                     | +14.8                                      | +1.0       | -0.2                                     |
| 300            | 40                                     | +11.2                                      | 0          | +1.2                                     |
| 400            | 10                                     | 0  | -3.3       |  |
| 500            | 600                                    | 151  | -61        |  |
| 600            | 151                                    | 32.0                                       | -101.0     |  |
| 750            | 56.25                                  | 80.0                                       | -180       |  |
| 800            | 106.25                                 | 142.5                                      | -247       |  |
| 950            | 175                                    | 210  | -328       |  |
| 1050           | 175                                    | 210  | -424       |  |
| 1100           | 247.5                                  | 286  | -535       |  |
| 1150           | 330                                    | 375  | -665       |  |
| 1200           | 330                                    | 375  | -738       |  |
| 1250           | 422.5                                  | 472.5                                      | -816       |  |
| 1300           | 422.5                                  | 472.5                                      | -899       |  |
| 1350           | 525                                    | 580  | -989       |  |
| 1400           | 525                                    | 580  | -1020      |  |
| 1450           | 525                                    | 580  | -1020      |  |
| 1500           | 736.25                                 | 675  | -1020      |  |
| 1550           | 736.25                                 | 675  | -1020      |  |
| 1600           | 800                                    | 800  | -1020      |  |
| 1650           | 907.5                                  | 899  | -1020      |  |
| 1700           | 1020                                   | 989  | -1020      |  |

FIG. 7

FIG. 8A

Hunting Shack 750 Gr AMAX Match .50 BMG  
(Calculated using Ingalls' table)

Bullet Weight ..... 750 grains  
Sectional Density ..... 0.429  
Effective Bal. Coeff ..... 0.750  
Cross wind ..... 10.0 m.p.h.  
Atmospheric pressure ..... 30.00 in.

Bullet Caliber ..... 0.500  
Coefficient of Form ..... 0.571  
Bal. Coeff at STP ..... 0.750

Altitude ..... 0 Ft.  
Temperature ..... 60.0 F

| Range<br>yards | Velocity<br>f.p.s. | Energy<br>ft.-lb. | Momentum<br>lb.-sec. | Mx. Ord.<br>in. | Defl.<br>in. | Drop<br>in. | Lead<br>in./mph | Time<br>sec. |
|----------------|--------------------|-------------------|----------------------|-----------------|--------------|-------------|-----------------|--------------|
| 0              | 2800               | 13054.6           | 9.3247               | 0.0             | 0.0          | 0.0         | 0.0             | 0.000        |
| 50             | 2736               | 12468.5           | 9.1130               | 0.1             | 0.1          | 0.6         | 1.0             | 0.054        |
| 100            | 2674               | 11903.1           | 8.9040               | 0.6             | 0.4          | 2.3         | 1.9             | 0.110        |
| 150            | 2612               | 11357.7           | 8.6976               | 1.3             | 1.0          | 5.2         | 2.9             | 0.166        |
| 200            | 2551               | 10833.0           | 8.4943               | 2.4             | 1.8          | 9.4         | 4.0             | 0.225        |
| 250            | 2491               | 10329.2           | 8.2945               | 3.9             | 2.8          | 15.0        | 5.0             | 0.284        |
| 300            | 2432               | 9845.5            | 8.0979               | 5.7             | 4.1          | 21.9        | 6.1             | 0.345        |
| 350            | 2374               | 9381.1            | 7.9046               | 8.0             | 5.7          | 30.4        | 7.2             | 0.407        |
| 400            | 2317               | 8935.5            | 7.7146               | 10.7            | 7.5          | 40.3        | 8.3             | 0.471        |
| 450            | 2260               | 8508.0            | 7.5278               | 13.9            | 9.6          | 51.9        | 9.5             | 0.537        |
| 500            | 2205               | 8098.0            | 7.3442               | 17.6            | 12.0         | 65.2        | 10.6            | 0.604        |
| 550            | 2151               | 7705.0            | 7.1637               | 21.8            | 14.7         | 80.2        | 11.8            | 0.673        |
| 600            | 2098               | 7328.3            | 6.9864               | 26.7            | 17.7         | 97.2        | 13.1            | 0.744        |
| 650            | 2046               | 6967.3            | 6.8122               | 32.1            | 21.1         | 116.1       | 14.4            | 0.816        |
| 700            | 1994               | 6621.6            | 6.6410               | 38.2            | 24.7         | 137.1       | 15.7            | 0.890        |
| 750            | 1944               | 6290.6            | 6.4729               | 45.1            | 28.7         | 160.3       | 17.0            | 0.966        |
| 800            | 1894               | 5973.7            | 6.3078               | 52.7            | 33.0         | 185.7       | 18.4            | 1.045        |
| 850            | 1845               | 5670.5            | 6.1456               | 61.2            | 37.7         | 213.6       | 19.8            | 1.125        |
| 900            | 1798               | 5380.5            | 5.9864               | 70.5            | 42.8         | 244.1       | 21.2            | 1.207        |
| 950            | 1751               | 5104.6            | 5.8309               | 80.7            | 48.2         | 277.2       | 22.7            | 1.292        |
| 1000           | 1705               | 4842.8            | 5.6794               | 92.0            | 54.1         | 313.2       | 24.3            | 1.379        |
| 1050           | 1661               | 4594.5            | 5.5319               | 104.4           | 60.3         | 352.2       | 25.8            | 1.468        |

FIG. 8

|         |
|---------|
| FIG. 8A |
| FIG. 8B |

|      |      |        |        |        |       |        |      |       |
|------|------|--------|--------|--------|-------|--------|------|-------|
| 1100 | 1618 | 4358.9 | 5.3882 | 117.9  | 67.0  | 394.3  | 27.4 | 1.559 |
| 1150 | 1576 | 4135.4 | 5.2482 | 132.6  | 74.1  | 439.7  | 29.1 | 1.653 |
| 1200 | 1535 | 3923.3 | 5.1119 | 148.6  | 81.7  | 488.7  | 30.8 | 1.750 |
| 1250 | 1495 | 3722.1 | 4.9791 | 166.1  | 89.7  | 541.3  | 32.5 | 1.849 |
| 1300 | 1456 | 3531.3 | 4.8498 | 185.0  | 98.1  | 597.8  | 34.3 | 1.950 |
| 1350 | 1418 | 3350.2 | 4.7238 | 205.4  | 107.1 | 658.3  | 36.2 | 2.055 |
| 1400 | 1382 | 3178.4 | 4.6011 | 227.6  | 116.5 | 723.2  | 38.0 | 2.162 |
| 1450 | 1346 | 3016.8 | 4.4826 | 251.5  | 126.4 | 792.6  | 40.0 | 2.272 |
| 1500 | 1312 | 2867.1 | 4.3700 | 277.4  | 136.9 | 866.9  | 42.0 | 2.385 |
| 1550 | 1280 | 2728.4 | 4.2629 | 305.4  | 147.8 | 946.3  | 44.0 | 2.500 |
| 1600 | 1249 | 2599.4 | 4.1610 | 335.5  | 159.3 | 1031.1 | 46.1 | 2.619 |
| 1650 | 1220 | 2479.7 | 4.0640 | 367.9  | 171.2 | 1121.4 | 48.2 | 2.741 |
| 1700 | 1193 | 2371.7 | 3.9745 | 402.8  | 183.7 | 1217.7 | 50.4 | 2.865 |
| 1750 | 1169 | 2274.7 | 3.8924 | 440.2  | 196.6 | 1320.3 | 52.7 | 2.992 |
| 1800 | 1146 | 2187.0 | 3.8166 | 480.5  | 210.0 | 1429.2 | 54.9 | 3.122 |
| 1850 | 1125 | 2107.4 | 3.7465 | 523.7  | 223.8 | 1544.7 | 57.3 | 3.254 |
| 1900 | 1105 | 2034.6 | 3.6812 | 569.8  | 238.1 | 1666.9 | 59.6 | 3.388 |
| 1950 | 1087 | 1967.8 | 3.6203 | 618.7  | 252.7 | 1795.9 | 62.0 | 3.525 |
| 2000 | 1070 | 1906.2 | 3.5632 | 670.5  | 267.8 | 1931.9 | 64.5 | 3.664 |
| 2050 | 1054 | 1849.2 | 3.5095 | 725.3  | 283.2 | 2075.0 | 67.0 | 3.805 |
| 2100 | 1039 | 1796.3 | 3.4590 | 783.0  | 299.0 | 2225.5 | 69.5 | 3.949 |
| 2150 | 1024 | 1747.1 | 3.4112 | 843.8  | 315.2 | 2383.3 | 72.1 | 4.094 |
| 2200 | 1011 | 1701.0 | 3.3660 | 907.7  | 331.7 | 2548.7 | 74.7 | 4.242 |
| 2250 | 998  | 1657.9 | 3.3231 | 974.8  | 348.6 | 2721.9 | 77.3 | 4.391 |
| 2300 | 986  | 1617.5 | 3.2822 | 1045.0 | 365.8 | 2902.8 | 79.9 | 4.542 |
| 2350 | 974  | 1579.4 | 3.2433 | 1118.4 | 383.3 | 3091.8 | 82.6 | 4.695 |
| 2400 | 963  | 1543.4 | 3.2062 | 1195.0 | 401.2 | 3289.0 | 85.4 | 4.850 |
| 2450 | 952  | 1508.7 | 3.1699 | 1274.8 | 419.3 | 3494.2 | 88.1 | 5.007 |

FIG. 8B

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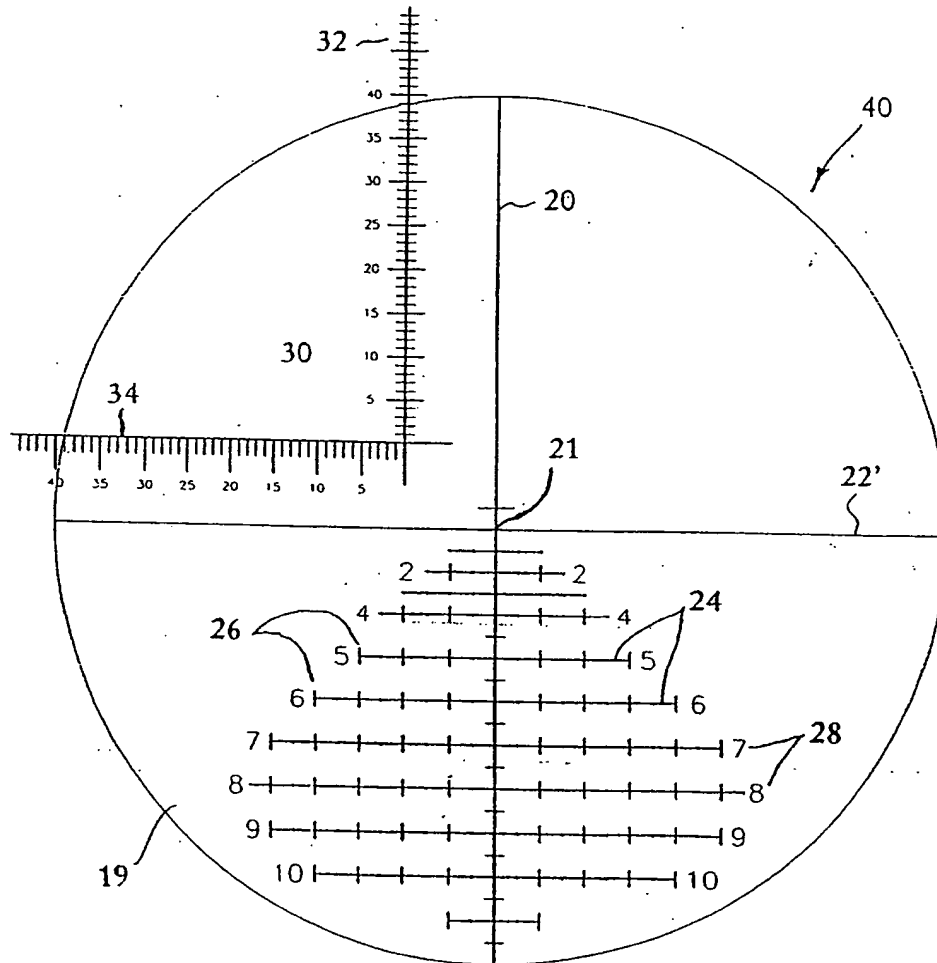


Fig. 10



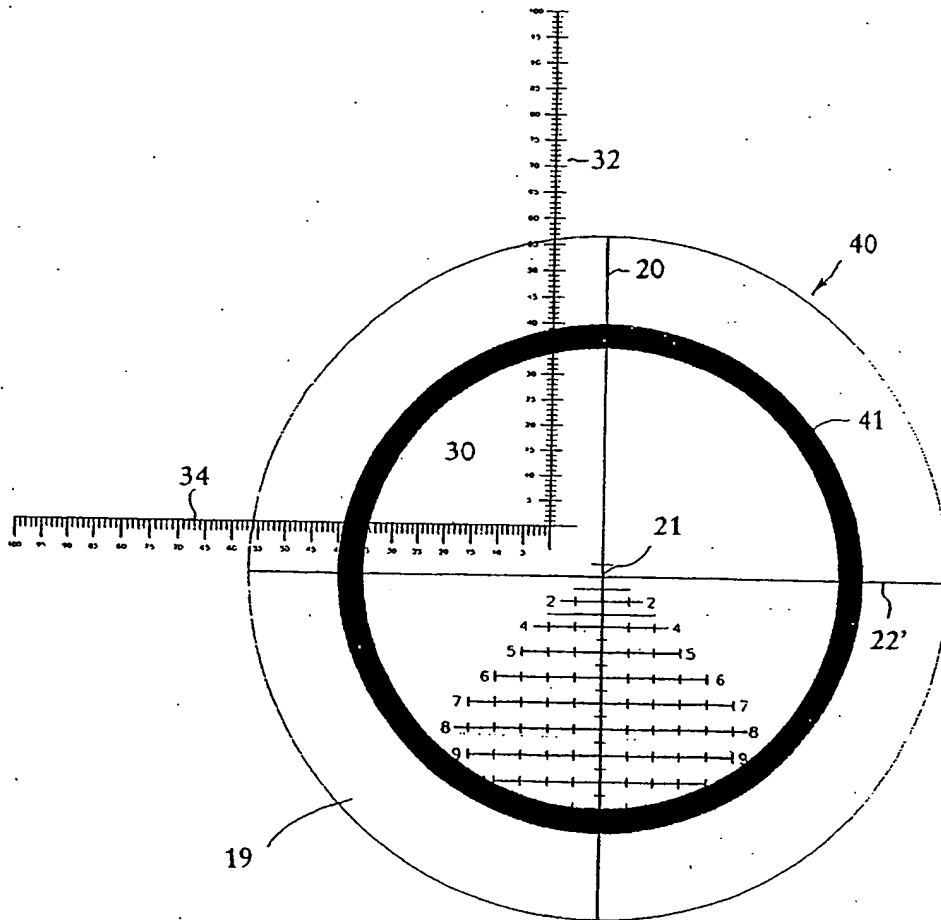


Fig. 11

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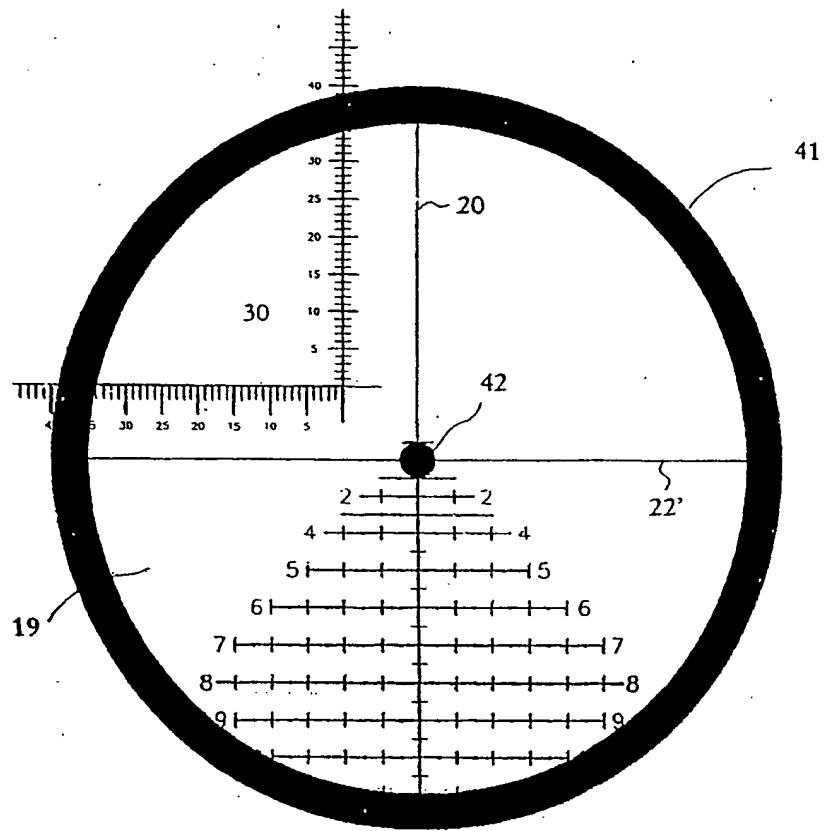


Fig. 12

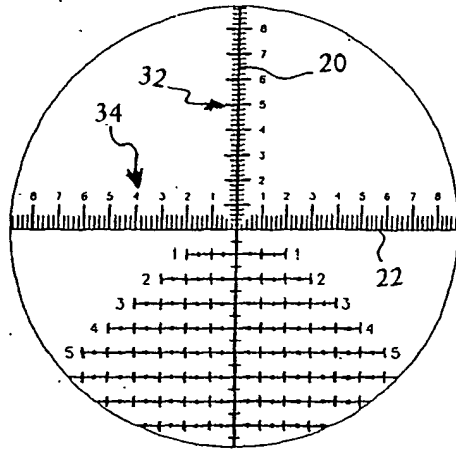


FIG 13

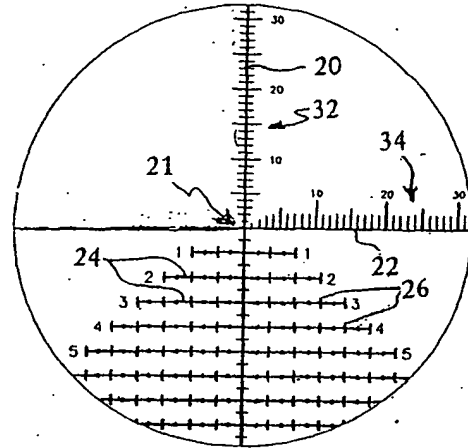


FIG 14

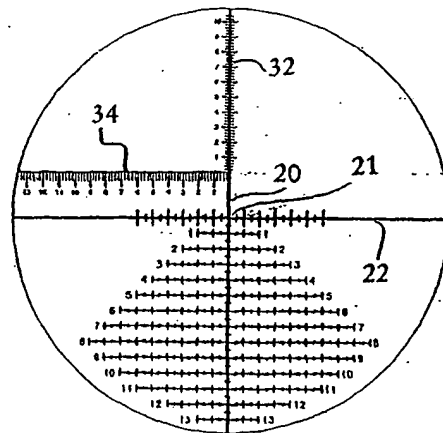


FIG 15

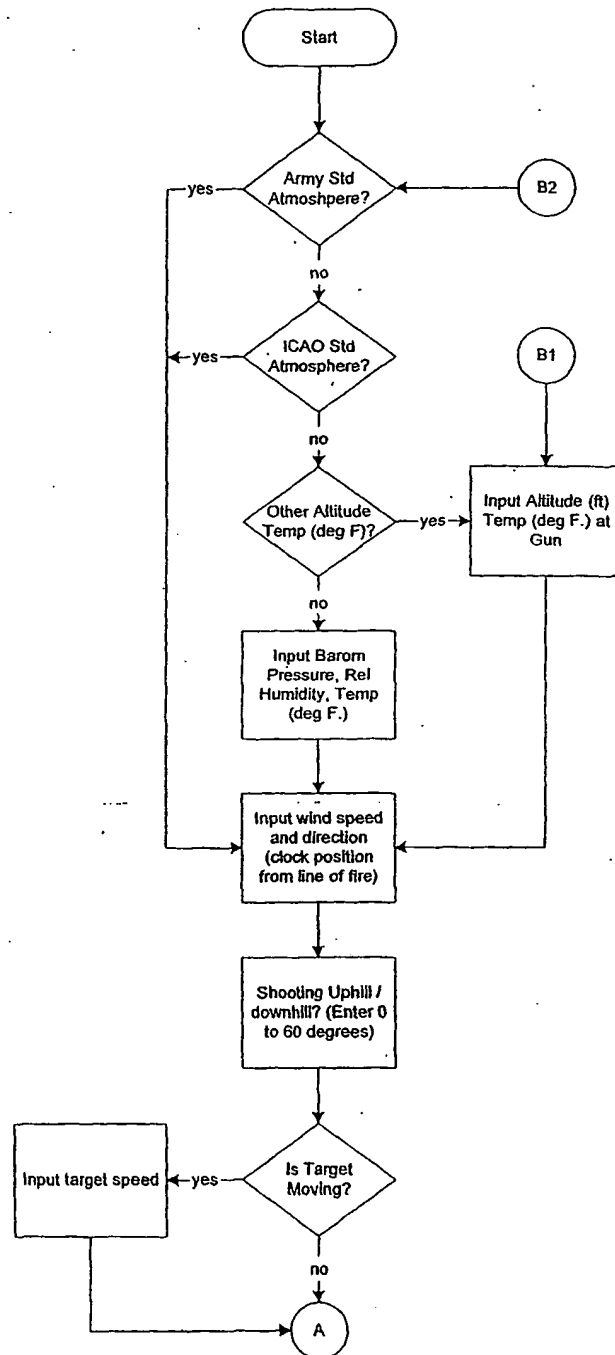
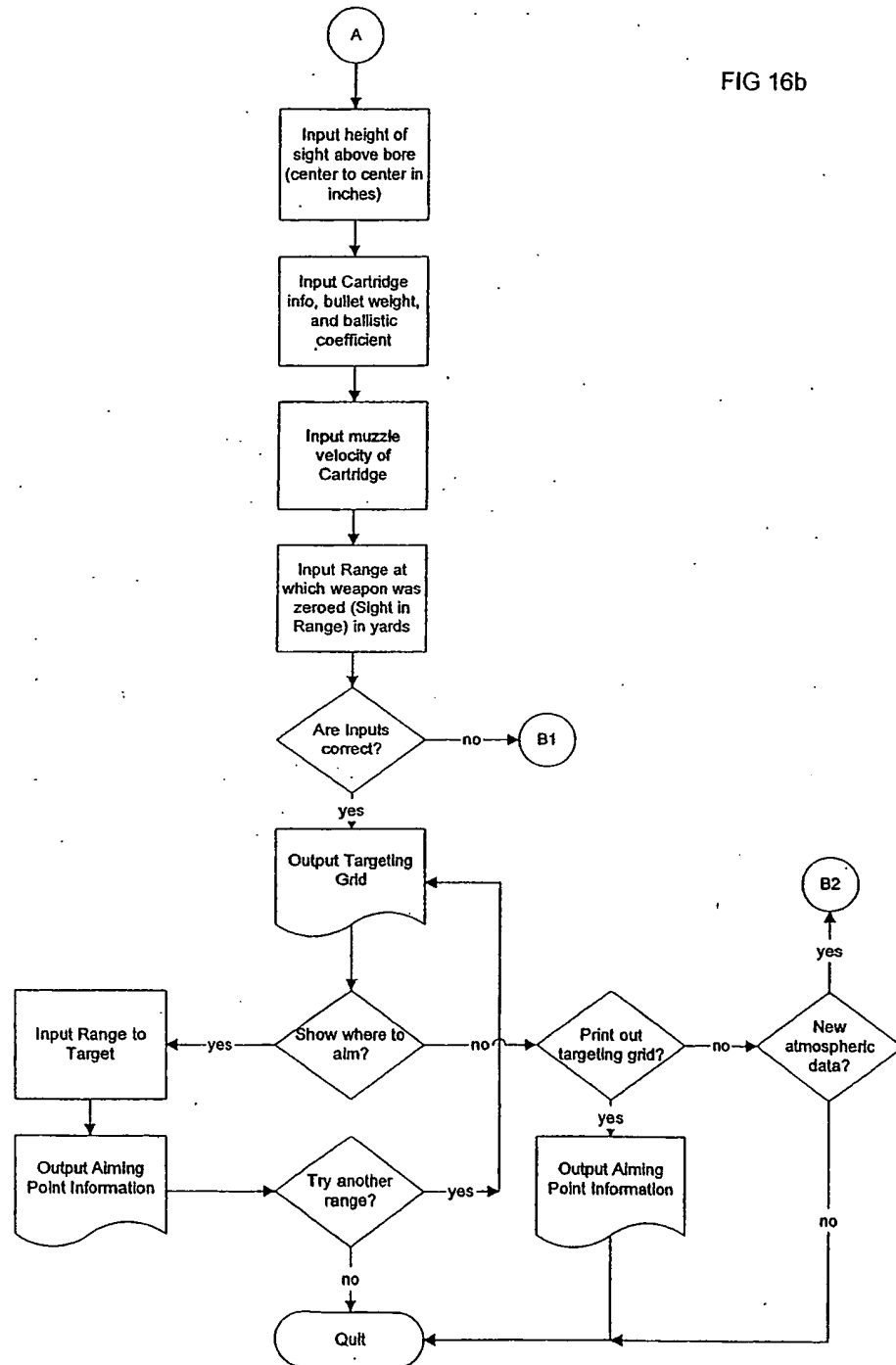


FIG 16a

FIG 16b



Targeting Grid  
Formatted in Mills

.300 Win Mag Federal Gold  
Medal

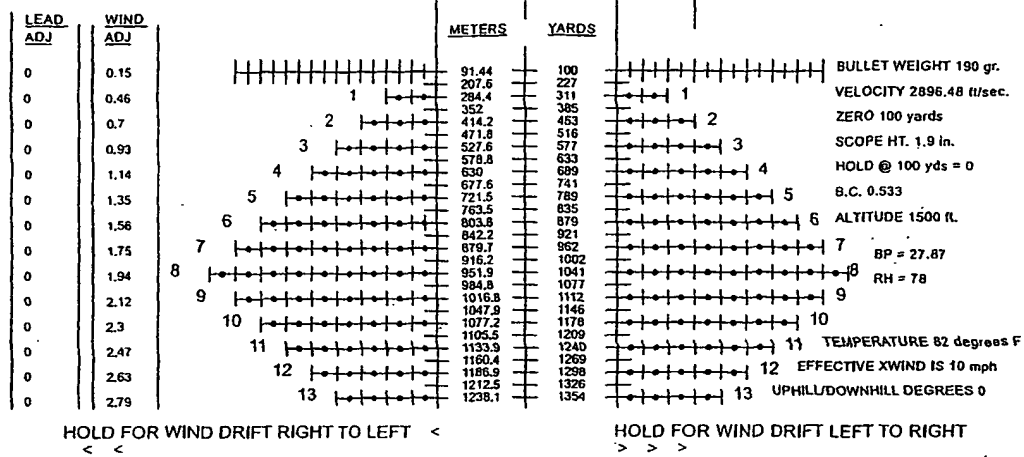


FIG. 17A

Targeting Grid  
Formatted in Mills

.300 Win Mag Federal Gold  
Medal

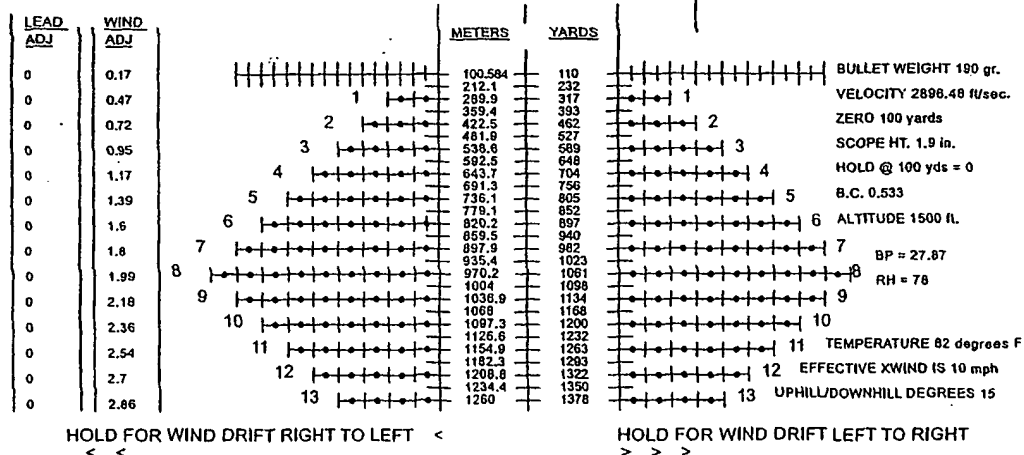


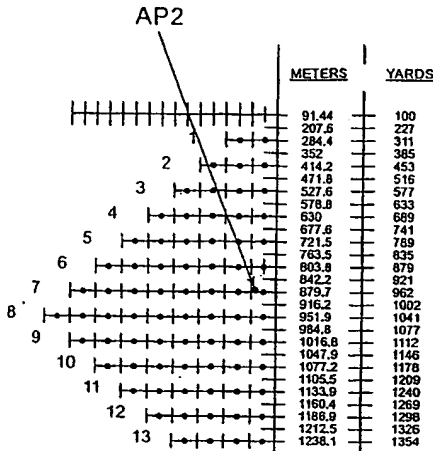
FIG. 17B

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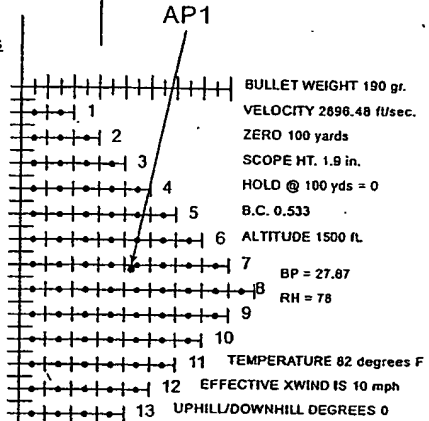
+

Targeting Grid  
Formatted in Mils

| LEAD<br>ADJ | WIND<br>ADJ |
|-------------|-------------|
| 2.04        | 0.15        |
| 2.17        | 0.46        |
| 2.26        | 0.7         |
| 2.35        | 0.93        |
| 2.44        | 1.14        |
| 2.52        | 1.35        |
| 2.61        | 1.56        |
| 2.68        | 1.75        |
| 2.76        | 1.94        |
| 2.83        | 2.12        |
| 2.9         | 2.3         |
| 2.97        | 2.47        |
| 3.04        | 2.63        |
| 3.1         | 2.79        |



.300 Win Mag Federal Gold  
Medal



BULLET WEIGHT 190 gr.  
VELOCITY 2896.48 ft/sec.  
ZERO 100 yards  
SCOPE HT. 1.9 in.  
HOLD @ 100 yds = 0  
B.C. 0.533  
ALTITUDE 1500 ft.  
BP = 27.87  
RH = 78  
TEMPERATURE 82 degrees F  
EFFECTIVE XWIND 15 10 mph  
UPHILL/DOWNHILL DEGREES 0

HOLD FOR WIND DRIFT RIGHT TO LEFT  
< < <

HOLD FOR WIND DRIFT LEFT TO RIGHT  
> > >

FIG. 17C

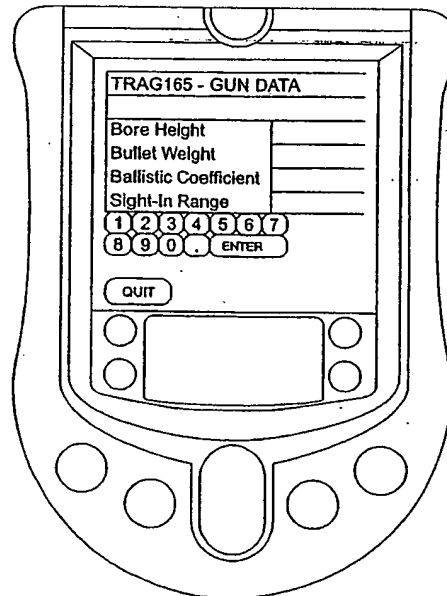


FIG. 18A

+

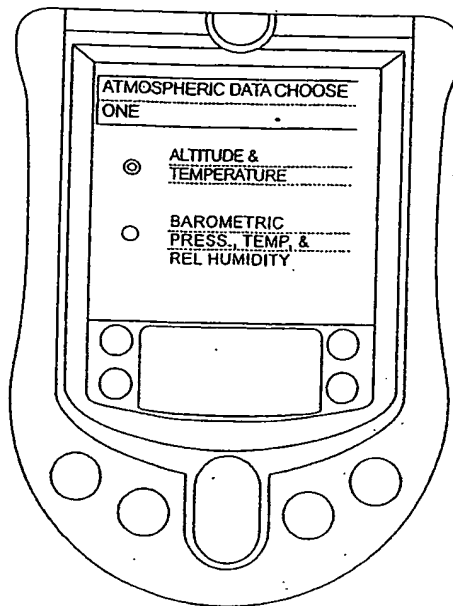


FIG. 18B

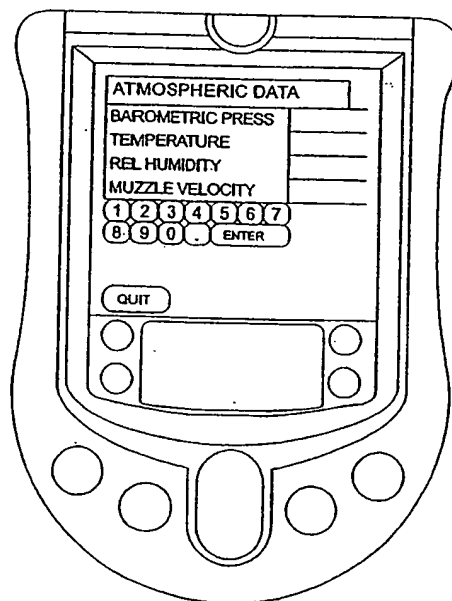


FIG. 18C



+

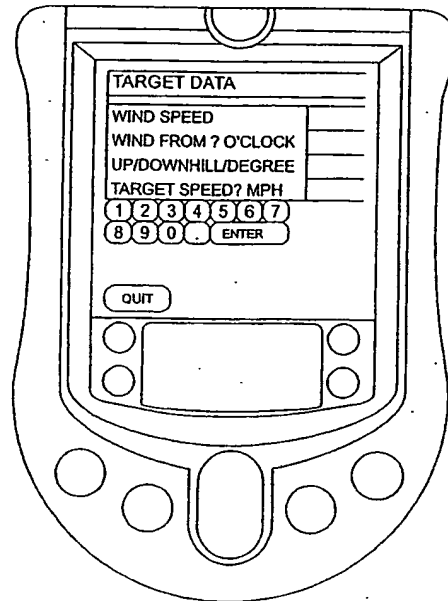


FIG. 18D

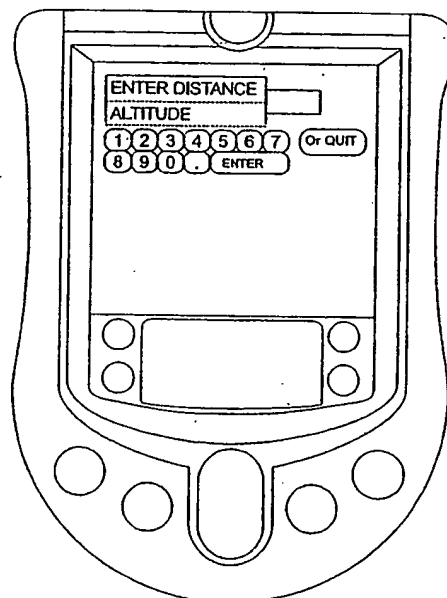


FIG. 18E

+

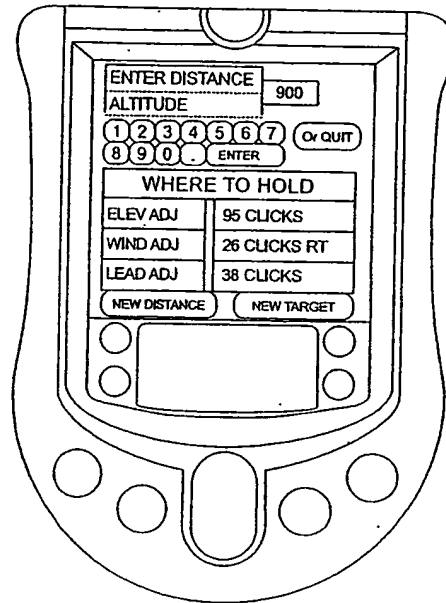


FIG. 18F

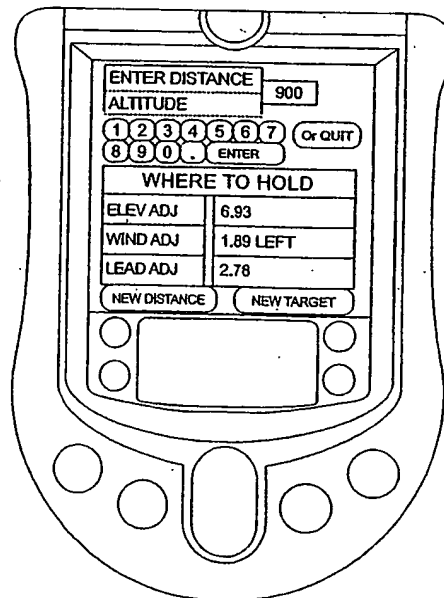


FIG. 18G

| <b>Atrag1P</b><br><table border="1"> <thead> <tr> <th>Gun</th> <th>Atmsphr</th> <th>Target</th> </tr> </thead> <tbody> <tr> <td>BH 1.9</td> <td>Temp 59</td> <td>WS 2</td> </tr> <tr> <td>BWt 190</td> <td>BP 29.43</td> <td>WD 4</td> </tr> <tr> <td>CI 0.533</td> <td>RH 78</td> <td>IR 11</td> </tr> <tr> <td>MV 2900</td> <td></td> <td>TS 2L</td> </tr> <tr> <td>ZR 100</td> <td></td> <td>TR 1000</td> </tr> </tbody> </table><br><table border="1"> <thead> <tr> <th>Abs</th> </tr> </thead> <tbody> <tr> <td>Elev 82</td> </tr> <tr> <td>Wind 0.4L</td> </tr> <tr> <td>Lead 1.4R</td> </tr> </tbody> </table><br>Quit ▾ Horus  | Gun   | Atmsphr   | Target | BH 1.9 | Temp 59 | WS 2 | BWt 190 | BP 29.43 | WD 4 | CI 0.533 | RH 78 | IR 11 | MV 2900 |  | TS 2L  | ZR 100 |  | TR 1000 | Abs  | Elev 82 | Wind 0.4L | Lead 1.4R  | <b>Atrag2P</b> <b>E M RangeCard</b><br><table border="1"> <thead> <tr> <th>Gun</th> <th>Atmsphr</th> <th>Target</th> </tr> </thead> <tbody> <tr> <td>BH 1.9</td> <td>Temp 59</td> <td>WS 3</td> </tr> <tr> <td>BWt 190</td> <td>BP 29.43</td> <td>WD 4</td> </tr> <tr> <td>CI 0.533</td> <td>RH 78</td> <td>IR 11</td> </tr> <tr> <td>MV 2900</td> <td></td> <td>TS 4L</td> </tr> <tr> <td>ZR 100</td> <td></td> <td>TR 1000</td> </tr> </tbody> </table><br><table border="1"> <thead> <tr> <th>Abs</th> <th>Rel</th> <th>Cur</th> </tr> </thead> <tbody> <tr> <td>Elev 112U</td> <td>112U</td> <td>0</td> </tr> <tr> <td>Wind 8R</td> <td>8R</td> <td>0</td> </tr> <tr> <td>Lead 40L</td> <td>40L</td> <td>0</td> </tr> </tbody> </table><br>Quit ▾ Clicks (4) Reset Update | Gun | Atmsphr    | Target | BH 1.9 | Temp 59  | WS 3 | BWt 190 | BP 29.43  | WD 4   | CI 0.533 | RH 78 | IR 11 | MV 2900 |  | TS 4L | ZR 100 |  | TR 1000 | Abs | Rel | Cur | Elev 112U | 112U | 0 | Wind 8R | 8R | 0 | Lead 40L | 40L | 0 | <b>Range Card</b> <b>Setup Main</b><br><table border="1"> <thead> <tr> <th>Range</th> <th>Elev</th> <th>Wind</th> <th>Lead</th> </tr> </thead> <tbody> <tr><td>275</td><td>11.0</td><td>2.0</td><td>30.0</td></tr> <tr><td>300</td><td>13.0</td><td>2.0</td><td>31.0</td></tr> <tr><td>325</td><td>16.0</td><td>2.0</td><td>31.0</td></tr> <tr><td>350</td><td>18.0</td><td>2.0</td><td>31.0</td></tr> <tr><td>375</td><td>21.0</td><td>2.0</td><td>31.0</td></tr> <tr><td>400</td><td>23.0</td><td>3.0</td><td>32.0</td></tr> <tr><td>425</td><td>26.0</td><td>3.0</td><td>32.0</td></tr> <tr><td>450</td><td>29.0</td><td>3.0</td><td>32.0</td></tr> <tr><td>475</td><td>31.0</td><td>3.0</td><td>33.0</td></tr> <tr><td>500</td><td>34.0</td><td>3.0</td><td>33.0</td></tr> <tr><td>525</td><td>37.0</td><td>3.0</td><td>33.0</td></tr> <tr><td>550</td><td>40.0</td><td>4.0</td><td>33.0</td></tr> </tbody> </table> | Range | Elev | Wind | Lead | 275 | 11.0 | 2.0 | 30.0 | 300 | 13.0 | 2.0 | 31.0 | 325 | 16.0 | 2.0 | 31.0 | 350 | 18.0 | 2.0 | 31.0 | 375 | 21.0 | 2.0 | 31.0 | 400 | 23.0 | 3.0 | 32.0 | 425 | 26.0 | 3.0 | 32.0 | 450 | 29.0 | 3.0 | 32.0 | 475 | 31.0 | 3.0 | 33.0 | 500 | 34.0 | 3.0 | 33.0 | 525 | 37.0 | 3.0 | 33.0 | 550 | 40.0 | 4.0 | 33.0 |
|--|---|---|--------|--------|---------|------|---------|----------|------|----------|-------|-------|---------|--|--------|--------|--|---------|------|---------|-----------|------------|---|-----|------------|--------|--------|----------|------|---------|---|--|----------|-------|-------|---------|--|-------|--------|--|---------|-----|-----|-----|-----------|------|---|---------|----|---|----------|-----|---|--|-------|------|------|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|
| Gun  | Atmsphr   | Target  |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| BH 1.9   | Temp 59   | WS 2  |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| BWt 190  | BP 29.43  | WD 4  |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| CI 0.533   | RH 78   | IR 11   |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| MV 2900  |   | TS 2L   |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| ZR 100   |   | TR 1000   |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| Abs  |   |   |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| Elev 82  |   |   |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| Wind 0.4L  |   |   |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| Lead 1.4R  |   |   |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| Gun  | Atmsphr   | Target  |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| BH 1.9   | Temp 59   | WS 3  |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| BWt 190  | BP 29.43  | WD 4  |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| CI 0.533   | RH 78   | IR 11   |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| MV 2900  |   | TS 4L   |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| ZR 100   |   | TR 1000   |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| Abs  | Rel   | Cur   |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| Elev 112U  | 112U  | 0   |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| Wind 8R  | 8R  | 0   |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| Lead 40L   | 40L   | 0   |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| Range  | Elev  | Wind  | Lead   |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| 275  | 11.0  | 2.0   | 30.0   |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| 300  | 13.0  | 2.0   | 31.0   |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| 325  | 16.0  | 2.0   | 31.0   |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| 350  | 18.0  | 2.0   | 31.0   |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| 375  | 21.0  | 2.0   | 31.0   |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| 400  | 23.0  | 3.0   | 32.0   |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| 425  | 26.0  | 3.0   | 32.0   |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| 450  | 29.0  | 3.0   | 32.0   |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| 475  | 31.0  | 3.0   | 33.0   |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| 500  | 34.0  | 3.0   | 33.0   |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| 525  | 37.0  | 3.0   | 33.0   |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| 550  | 40.0  | 4.0   | 33.0   |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| <b>Atmospheric Conditions</b><br>Calc Method <b>AT</b> <b>T8H</b><br><br>Temperature (F) <b>59</b><br>Barom. Pres. (in.mrc.) <b>29.43</b><br>Relative Humidity (%) <b>78</b><br><br>Don't forget about the Decimal<br>1 2 3 4 5 6 7 8 9 0 .<br>Done Cancel Prev Next -   | <b>Gun Information</b><br>Bore Height (inchs) <b>1.9</b><br>Bullet Weight (grains) <b>190</b><br>CI Coefficient <b>0.533</b><br>Muzzle Velocity (fps) <b>2900</b><br>Zero Range (yards) <b>100</b><br><br>Don't forget about the Decimal<br>1 2 3 4 5 6 7 8 9 0 .<br>Done Cancel Prev Next -  | <b>Target</b><br>Wind Speed (mph) <b>2</b><br>Wind Direction (clock) <b>4</b><br>Inclination Angle <b>11</b><br>Target Speed (mph) <b>2</b><br>Target Range (yards) <b>1000</b><br><br>1 2 3 4 5 6 7 8 9 0 .<br>Done Cancel Prev Next - |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| <b>Mil Dot Range Finder</b><br>When using WIDTH to size a target, Up/Dwn Angle does not effect range calculation but will effect bullet drop.<br><br>Using Target <b>Height Width</b><br>Target Size <b>36</b> in ft cm M<br>Mills <b>1</b><br>Angle <b>11</b><br>Range <b>982</b> Y M<br>1 2 3 4 5 6 7 8 9 0 .<br>Done Cancel Prev Next -   | <b>Range Calc</b><br>When using WIDTH to size a target, Up/Dwn Angle does not effect range calculation but will effect bullet drop.<br><br>Using Target <b>Height Width</b><br>Target Size <b>36</b> in ft cm M<br>Ticks <b>1</b> mil in mod<br>Angle <b>11</b><br>Range <b>982</b> Y M<br>1 2 3 4 5 6 7 8 9 0 .<br>Done Cancel Prev Next - | <b>Gun List</b><br>SampleGun<br>WIN 308<br>WARBIRD<br>50 BMG<br>Custom Load<br>LarryGun<br>Store/Save New<br>Modify Sel<br>Fetch Sel<br>Delete Sel<br>Cancel  |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| <b>SampleGun01</b> <b>D E M RngCard</b><br><table border="1"> <thead> <tr> <th>Gun</th> <th>Atmsphr</th> <th>Target</th> </tr> </thead> <tbody> <tr> <td>BH 1.9</td> <td>Temp 59</td> <td>WS 5</td> </tr> <tr> <td>BWt 190</td> <td>BP 29.43</td> <td>WD 8</td> </tr> <tr> <td>CI 0.533</td> <td>RH 78</td> <td>IR 0</td> </tr> <tr> <td>MV 2900</td> <td></td> <td>TS 0.0</td> </tr> <tr> <td>ZR 100</td> <td></td> <td>TR 1800</td> </tr> </tbody> </table><br><table border="1"> <thead> <tr> <th>Hold</th> <th>Cor</th> <th>Spin</th> </tr> </thead> <tbody> <tr> <td>Elev 27.15</td> <td>0.130</td> <td></td> </tr> <tr> <td>Wind 1.18R</td> <td>0.19L</td> <td>0.71L</td> </tr> <tr> <td>Lead 0.0</td> <td></td> <td></td> </tr> </tbody> </table><br>(GunList) ▾ Horus Norm Adj | Gun   | Atmsphr   | Target | BH 1.9 | Temp 59 | WS 5 | BWt 190 | BP 29.43 | WD 8 | CI 0.533 | RH 78 | IR 0  | MV 2900 |  | TS 0.0 | ZR 100 |  | TR 1800 | Hold | Cor     | Spin      | Elev 27.15 | 0.130   |     | Wind 1.18R | 0.19L  | 0.71L  | Lead 0.0 |      |         | <b>Target</b><br>Latitude <b>N 5</b> <b>33</b><br>Dir of fire from North <b>88</b><br>Wind Speed (mph) <b>10</b><br>Wind Direction (clock) <b>9</b><br>Inclination Angle <b>12</b><br>Target Speed (mph) <b>2</b><br>Target Range (yards) <b>2200</b><br>1 2 3 4 5 6 7 8 9 0 .<br>Done Cancel Prev Next - | <b>Gun Information</b><br>Bore Height (inchs) <b>1.9</b><br>Bullet Weight (grains) <b>190</b><br>Bullet Diam (inchs) <b>0.5</b> caliber<br>CI Coefficient <b>0.533</b><br>Rifle Twist (in/turn) <b>8</b> R L<br>Muzzle Velocity (fps) <b>2900</b><br>Zero Range (yards) <b>100</b><br>1 2 3 4 5 6 7 8 9 0 .<br>Done Cancel Prev Next - |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| Gun  | Atmsphr   | Target  |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| BH 1.9   | Temp 59   | WS 5  |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| BWt 190  | BP 29.43  | WD 8  |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| CI 0.533   | RH 78   | IR 0  |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| MV 2900  |   | TS 0.0  |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| ZR 100   |   | TR 1800   |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| Hold   | Cor   | Spin  |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| Elev 27.15   | 0.130   |   |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| Wind 1.18R   | 0.19L   | 0.71L   |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |
| Lead 0.0   |   |   |        |        |         |      |         |          |      |          |       |       |         |  |        |        |  |         |      |         |           |            |   |     |            |        |        |          |      |         |   |  |          |       |       |         |  |       |        |  |         |     |     |     |           |      |   |         |    |   |          |     |   |  |       |      |      |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |     |      |

FIG. 18H

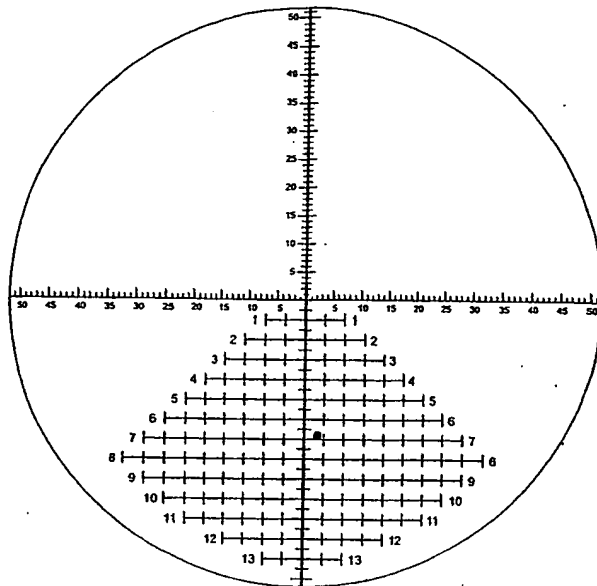


FIG. 19A

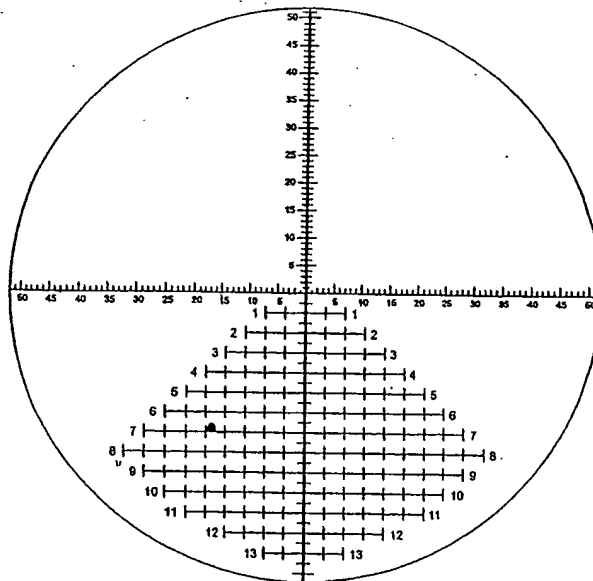


FIG. 19B

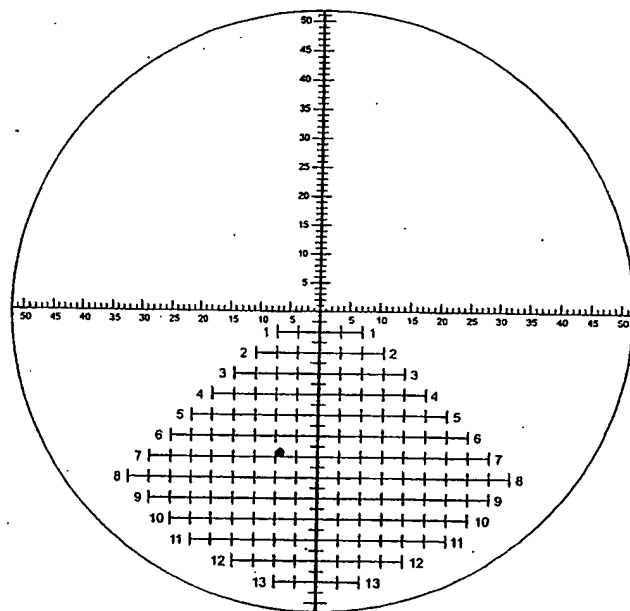


FIG. 19C

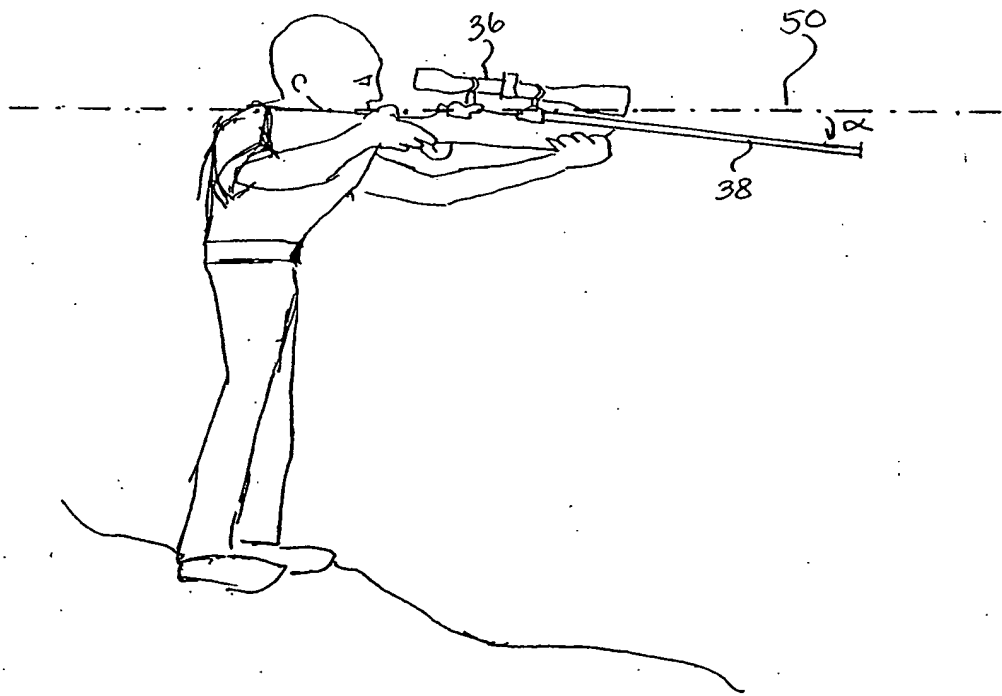


FIG. 20

FIG. 21

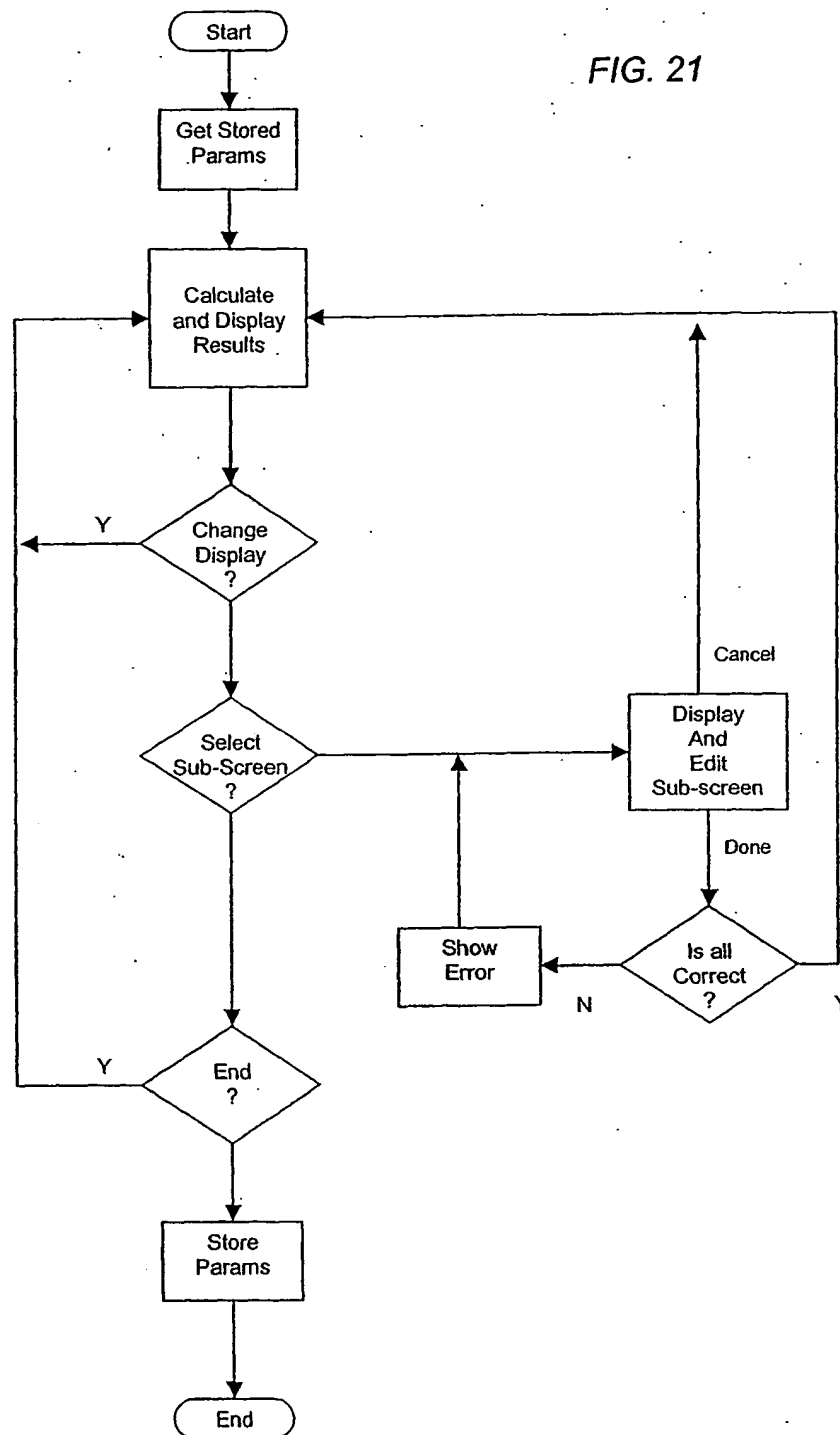
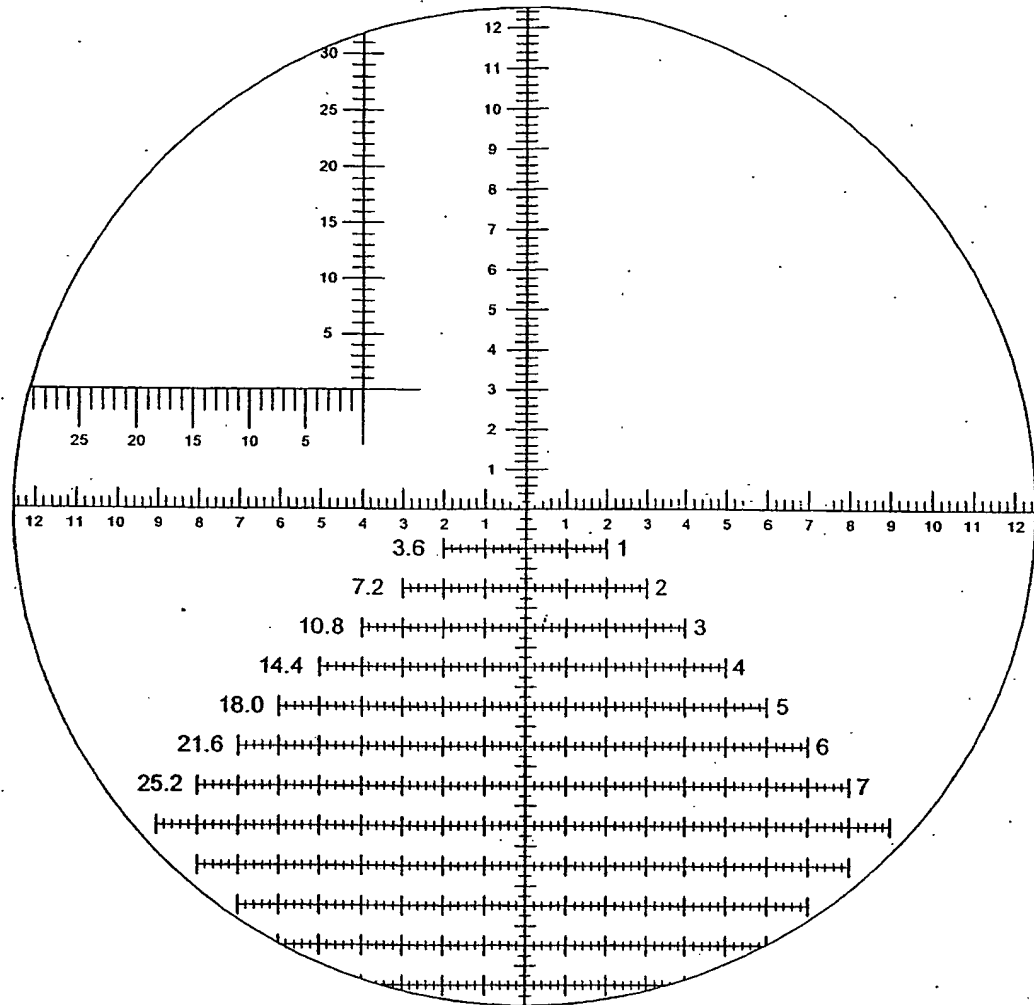


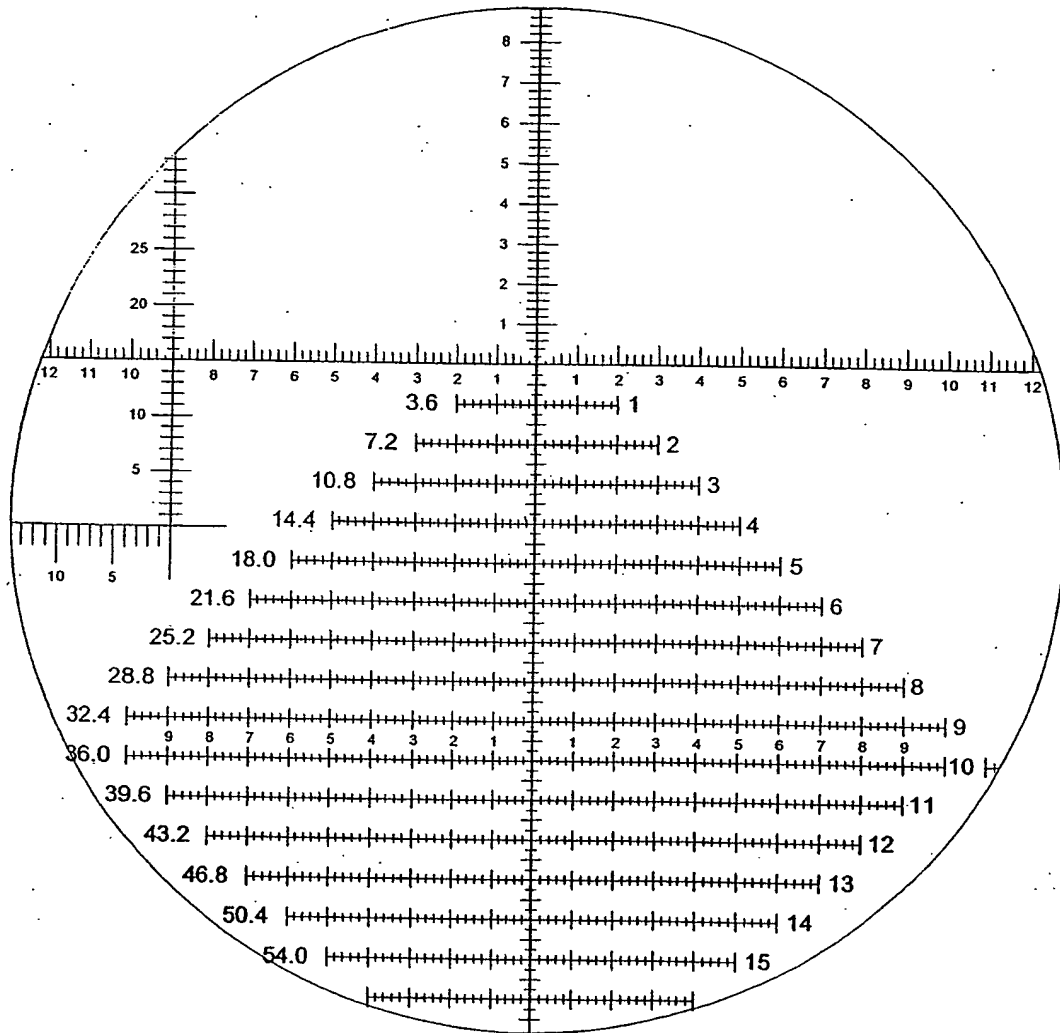
FIG. 22



H-1

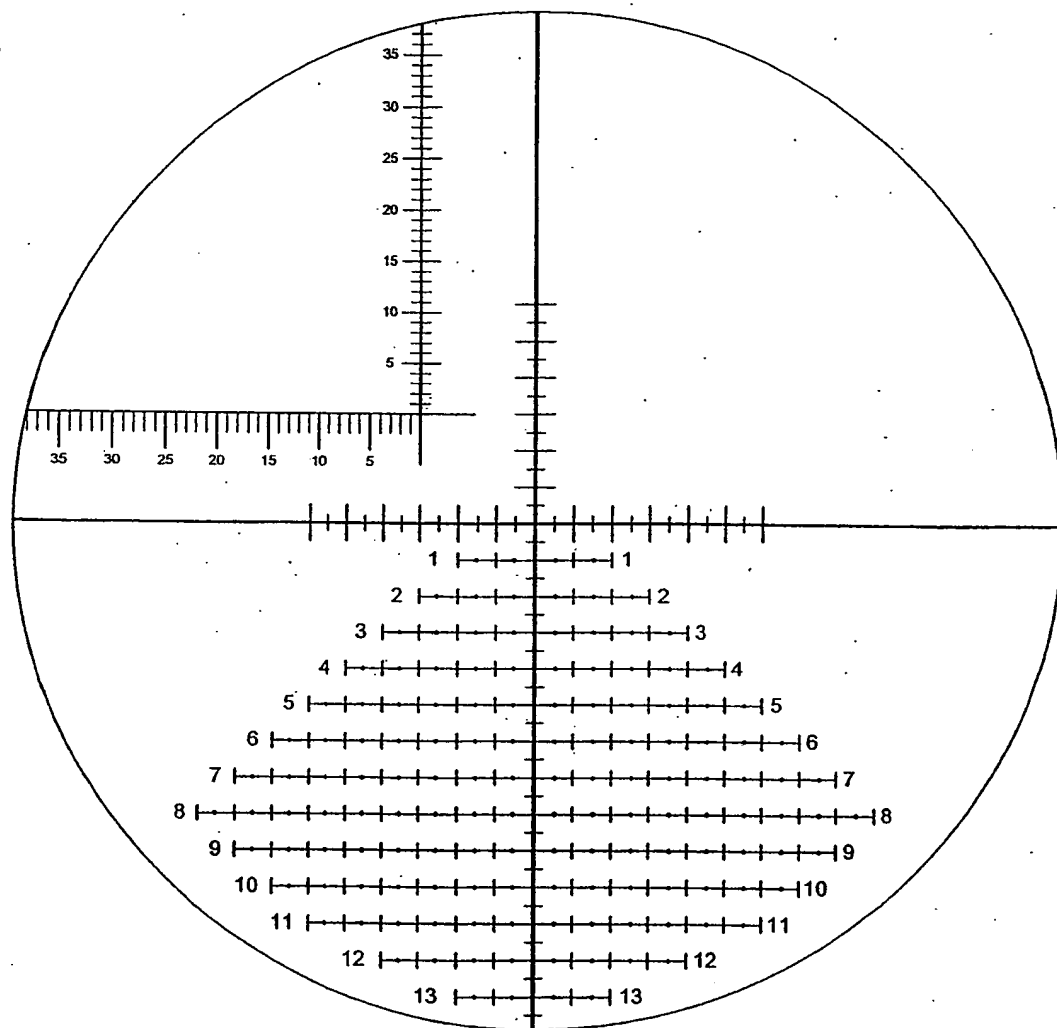


FIG. 23



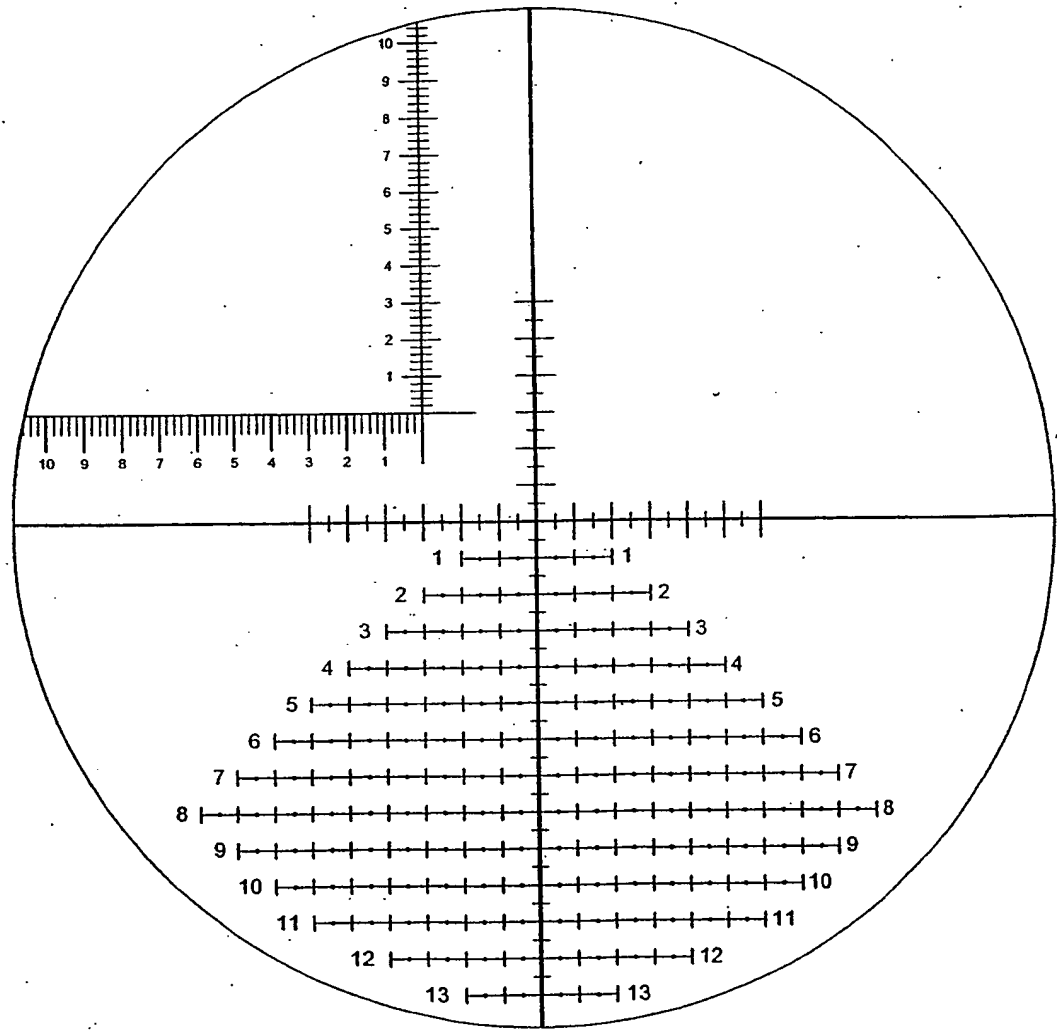
H-2

FIG. 24



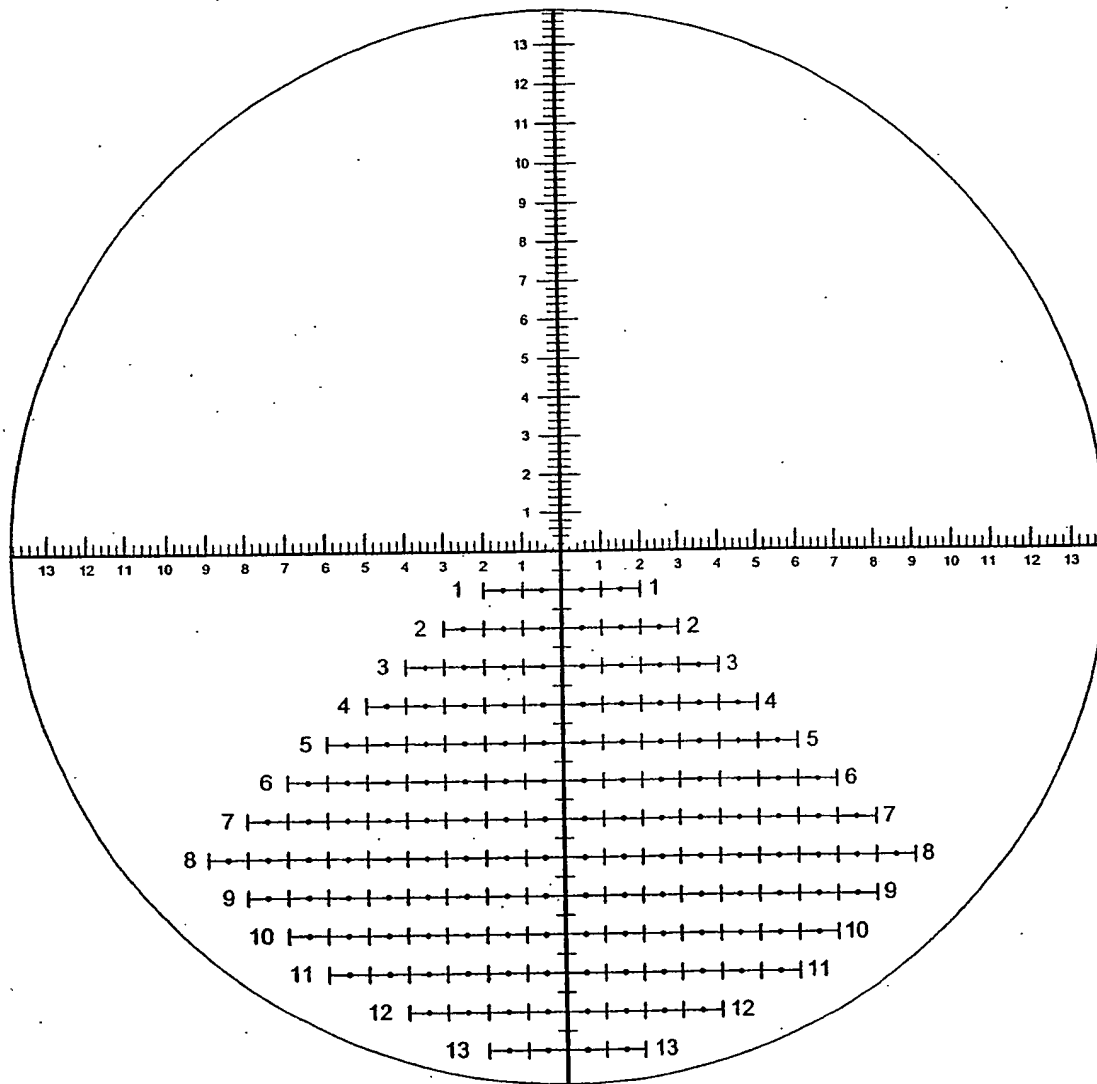
H-3

FIG. 25



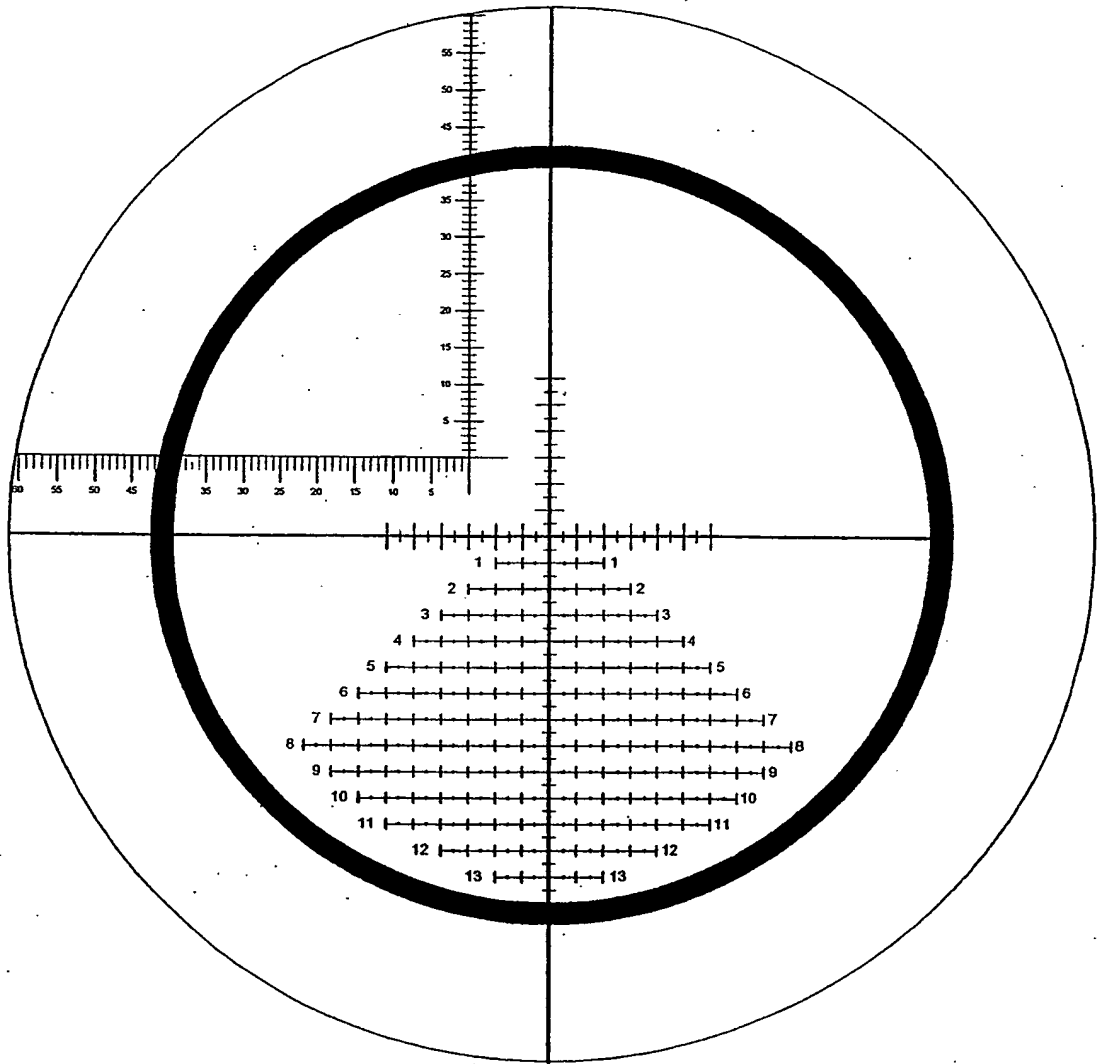
H-4

FIG. 26



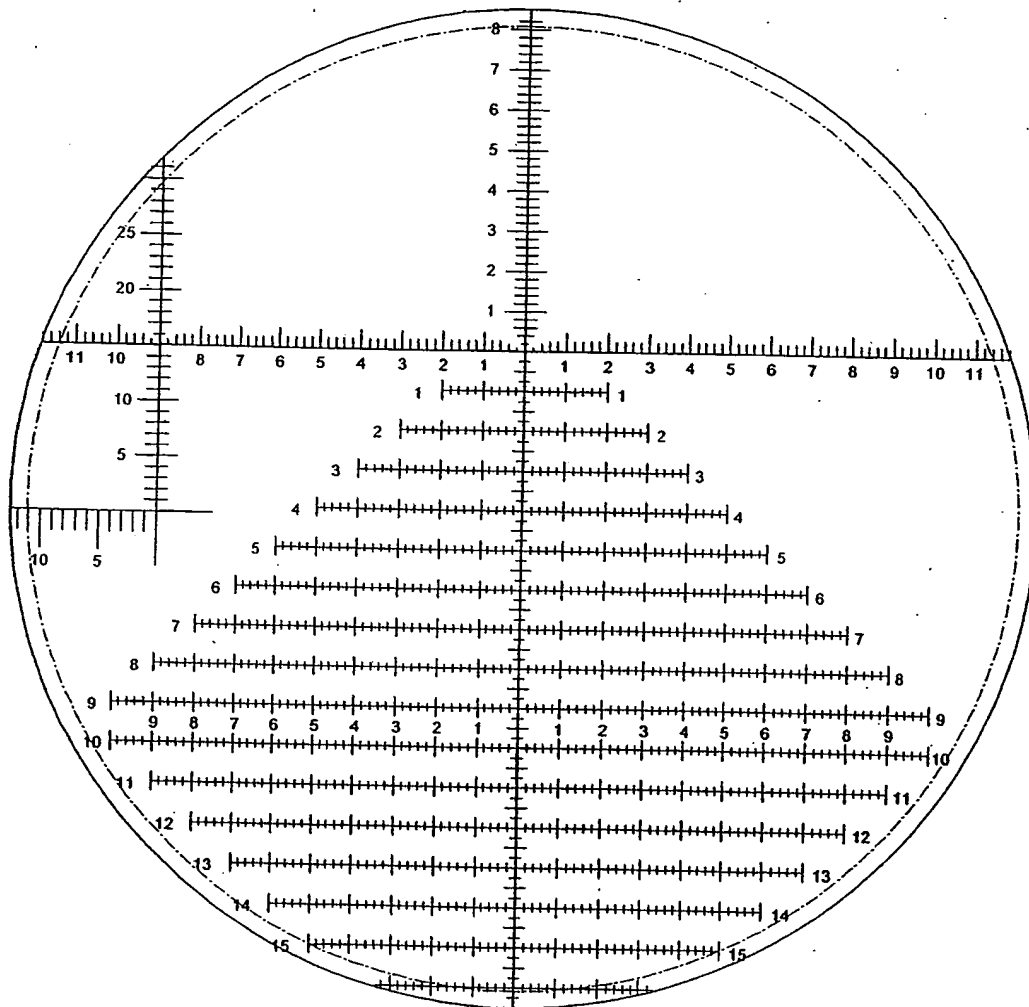
H-5

FIG. 27



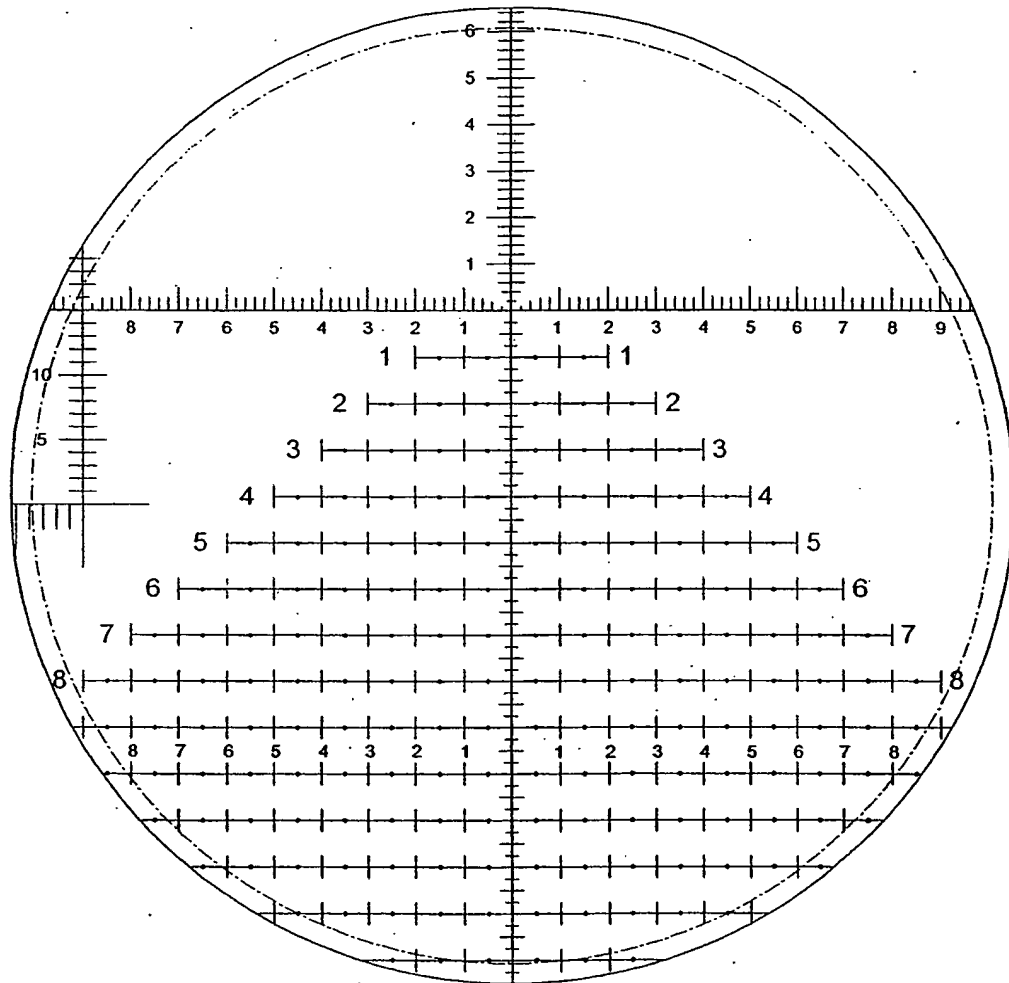
H-6

FIG. 28



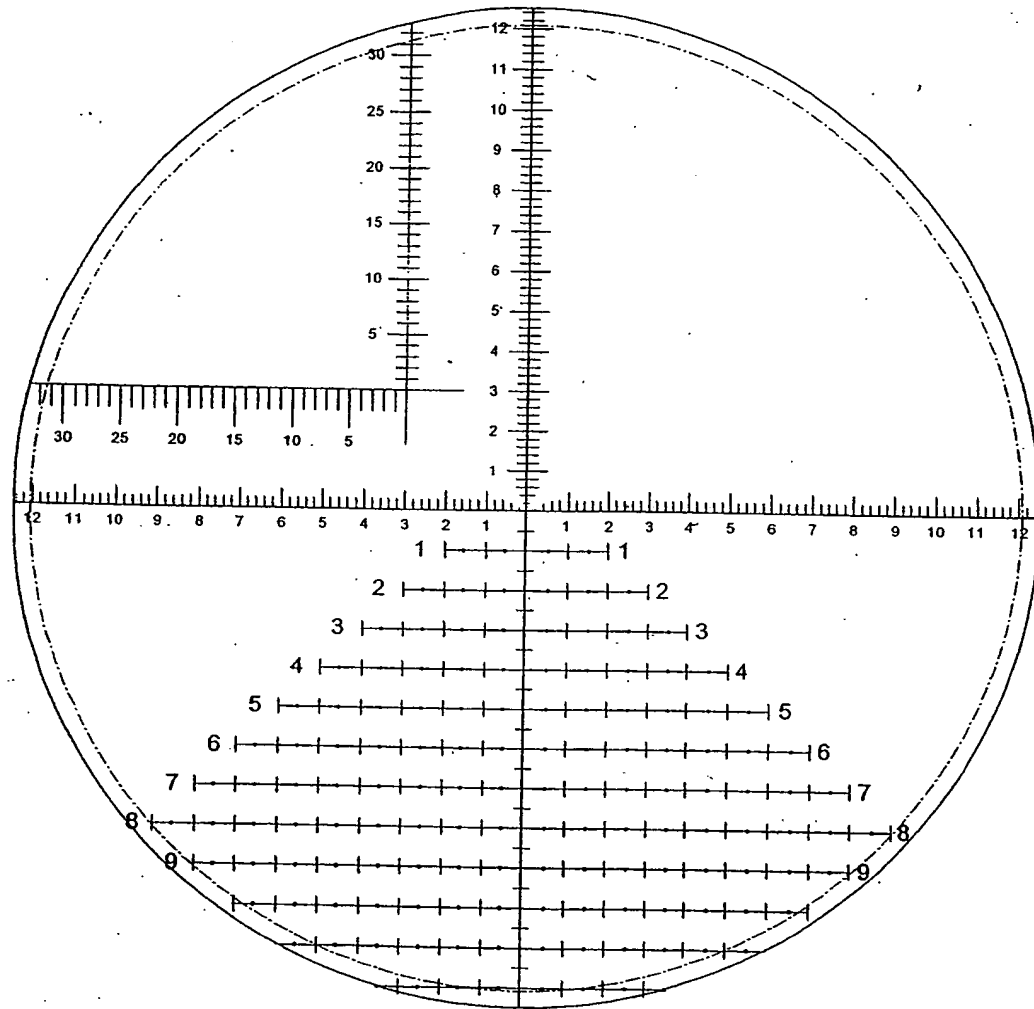
H-11

FIG. 29



H-12

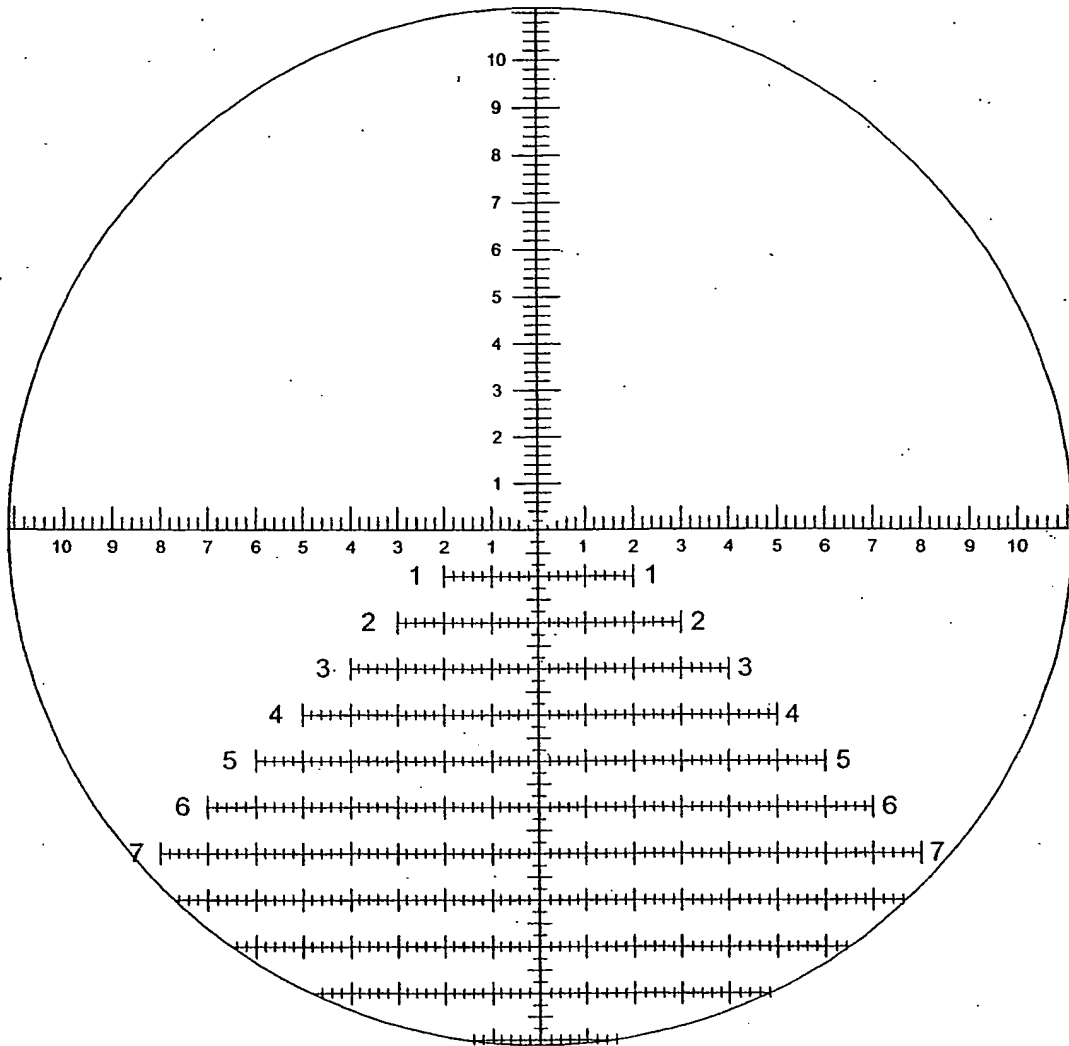
FIG. 30



H-13

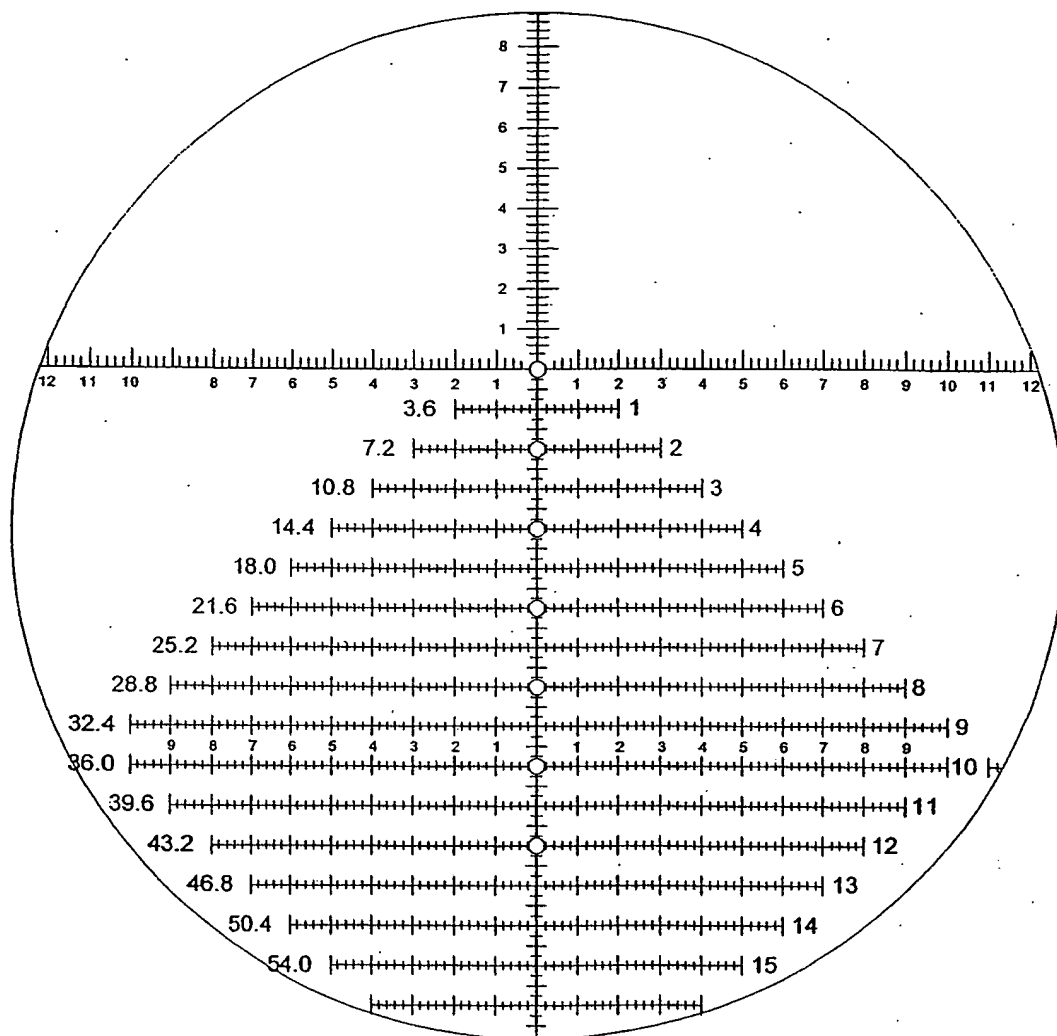


FIG. 31



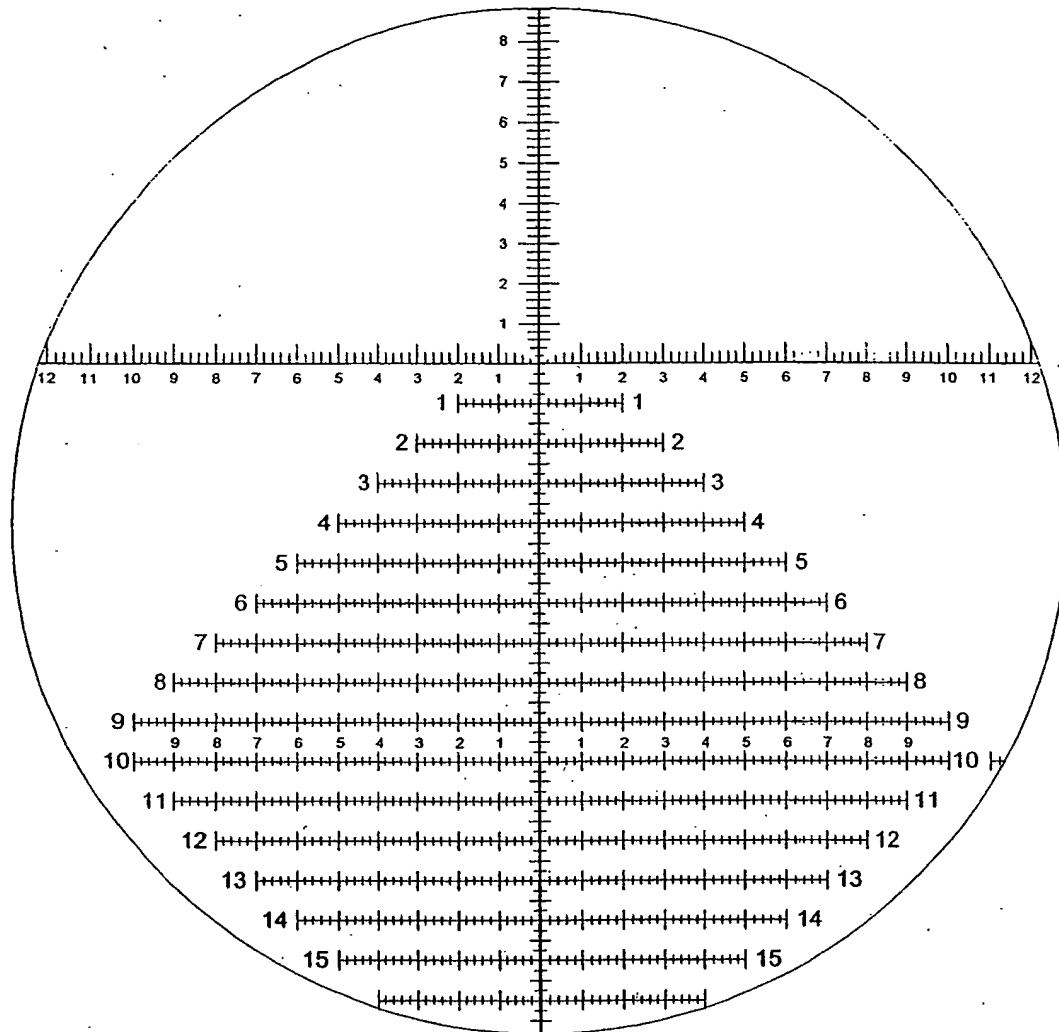
H-14

FIG. 32



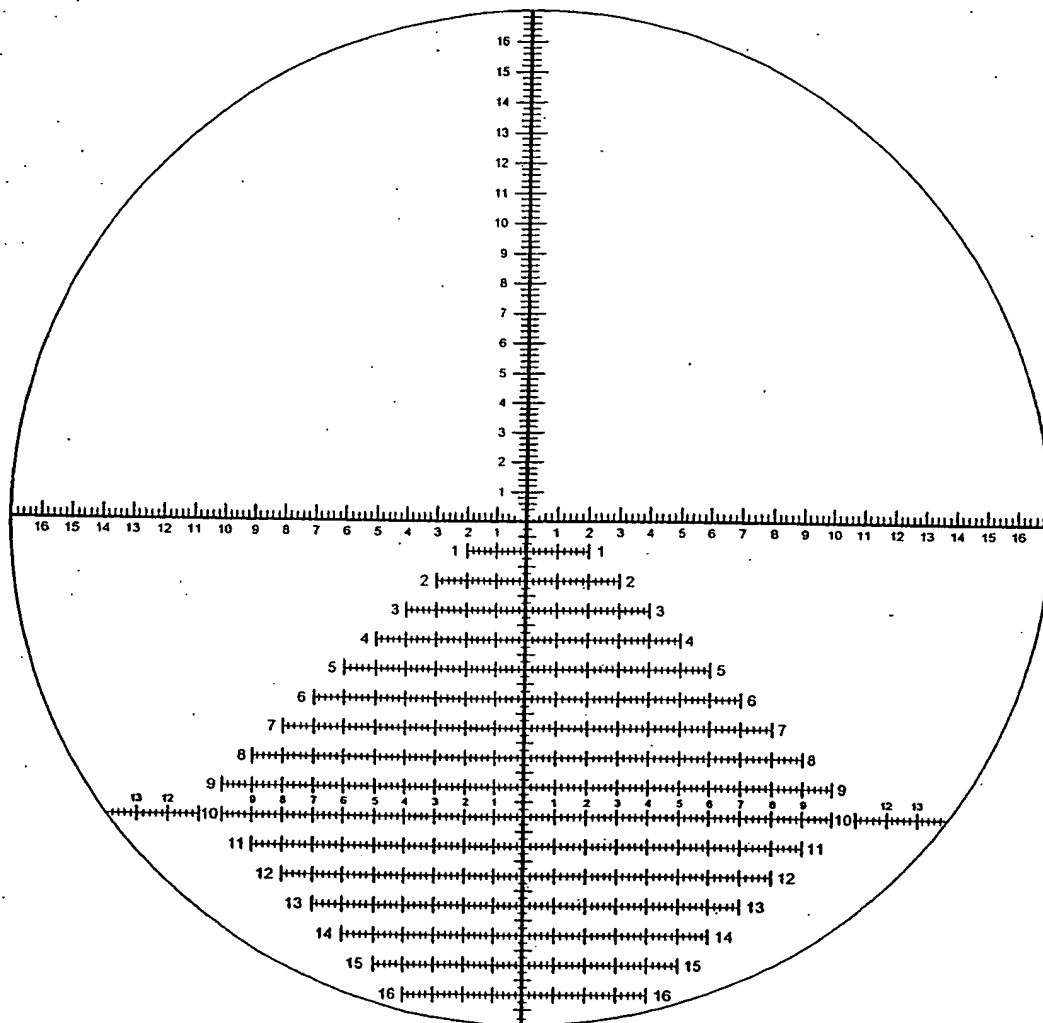
H-15

FIG. 33



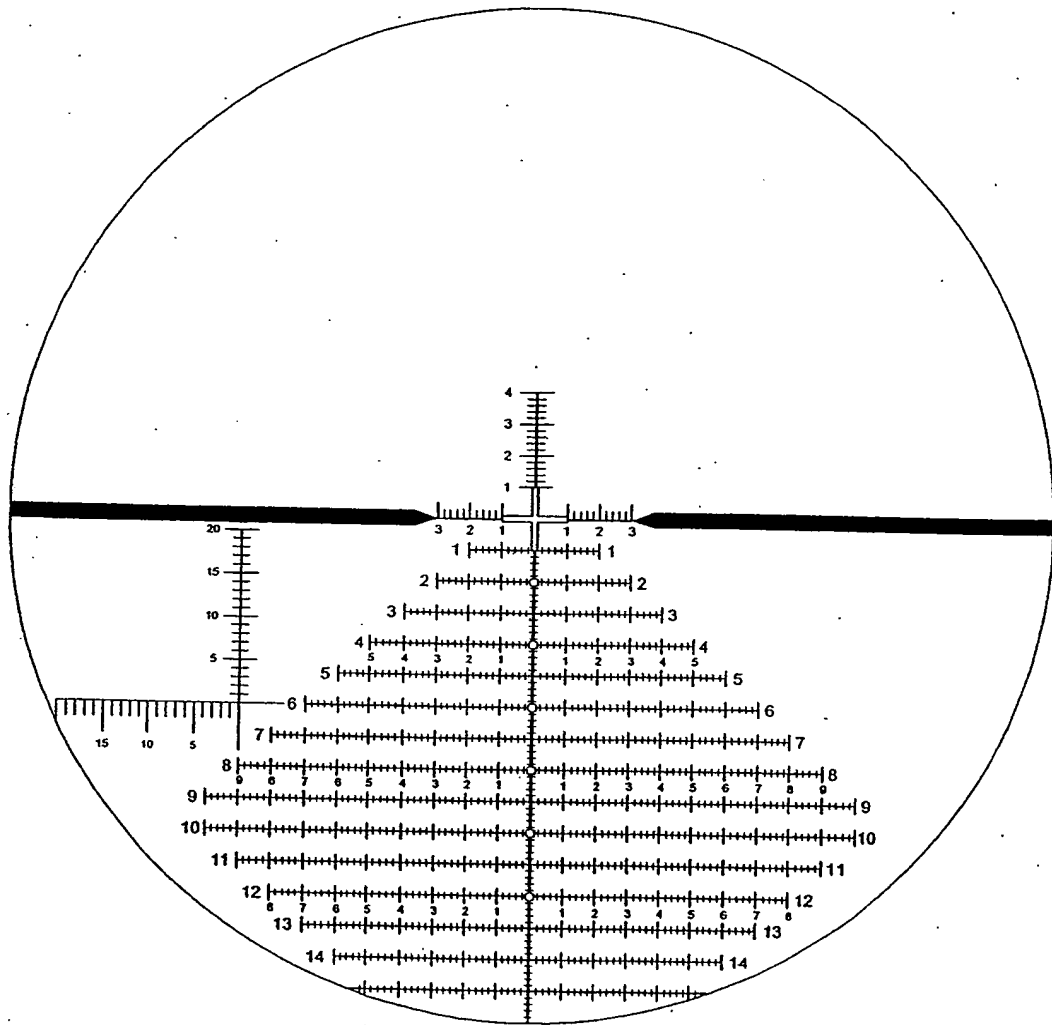
H-19

FIG. 34



H-21

FIG. 35



H-25

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FIG. 35a

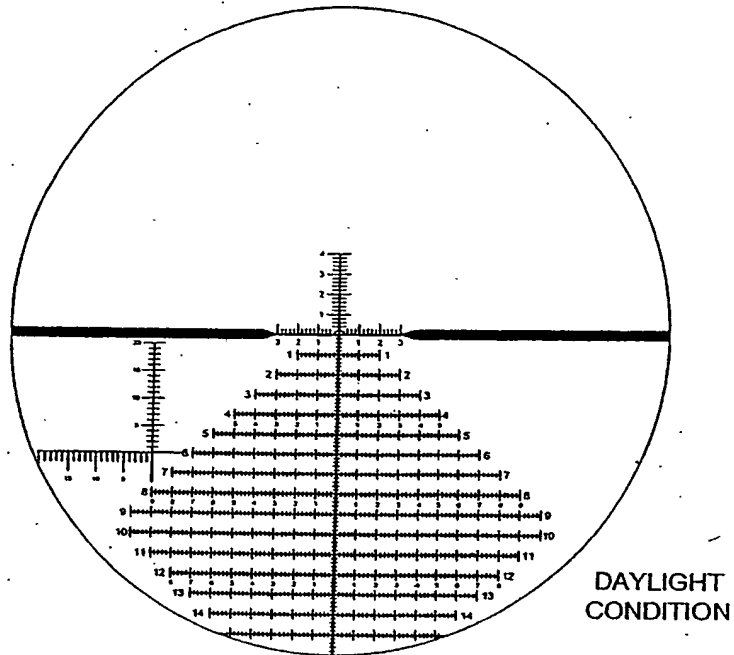


FIG. 35b

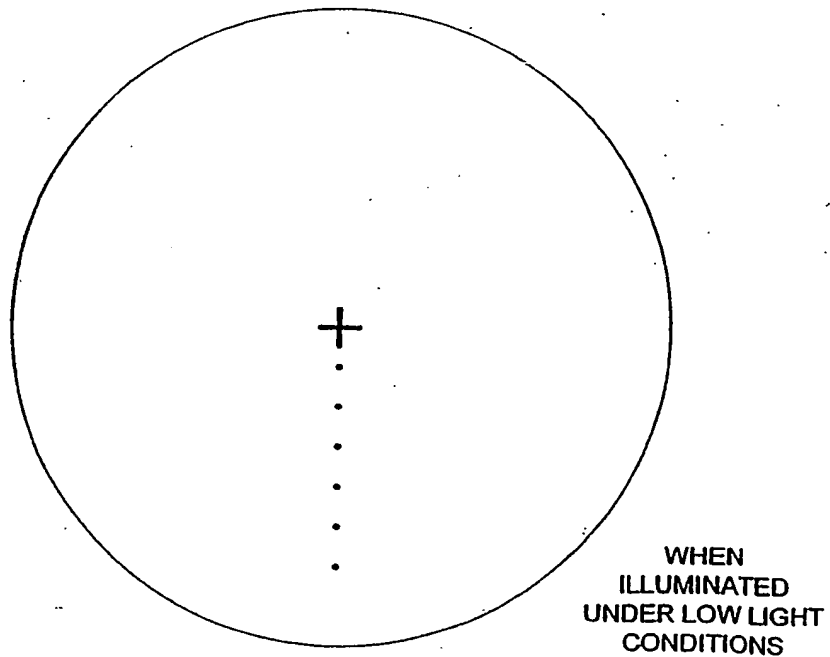
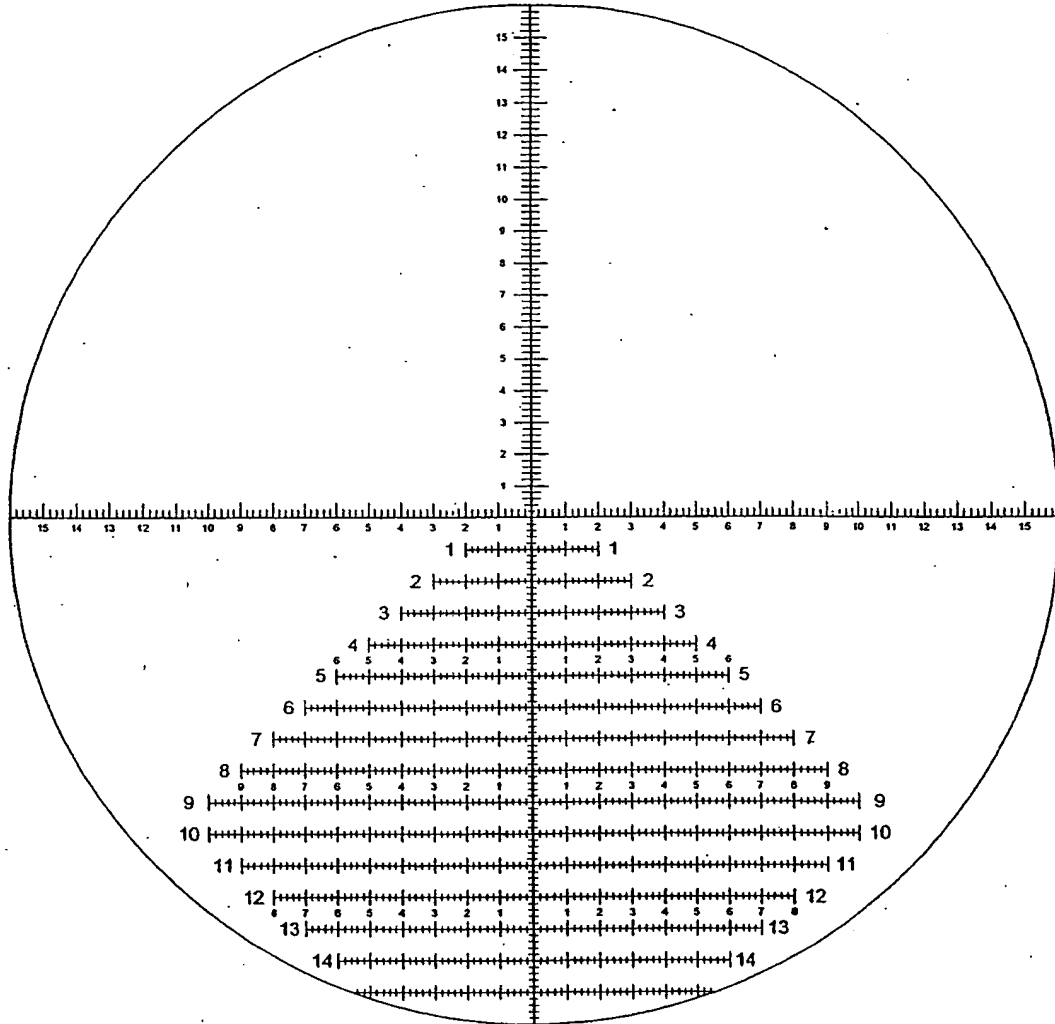
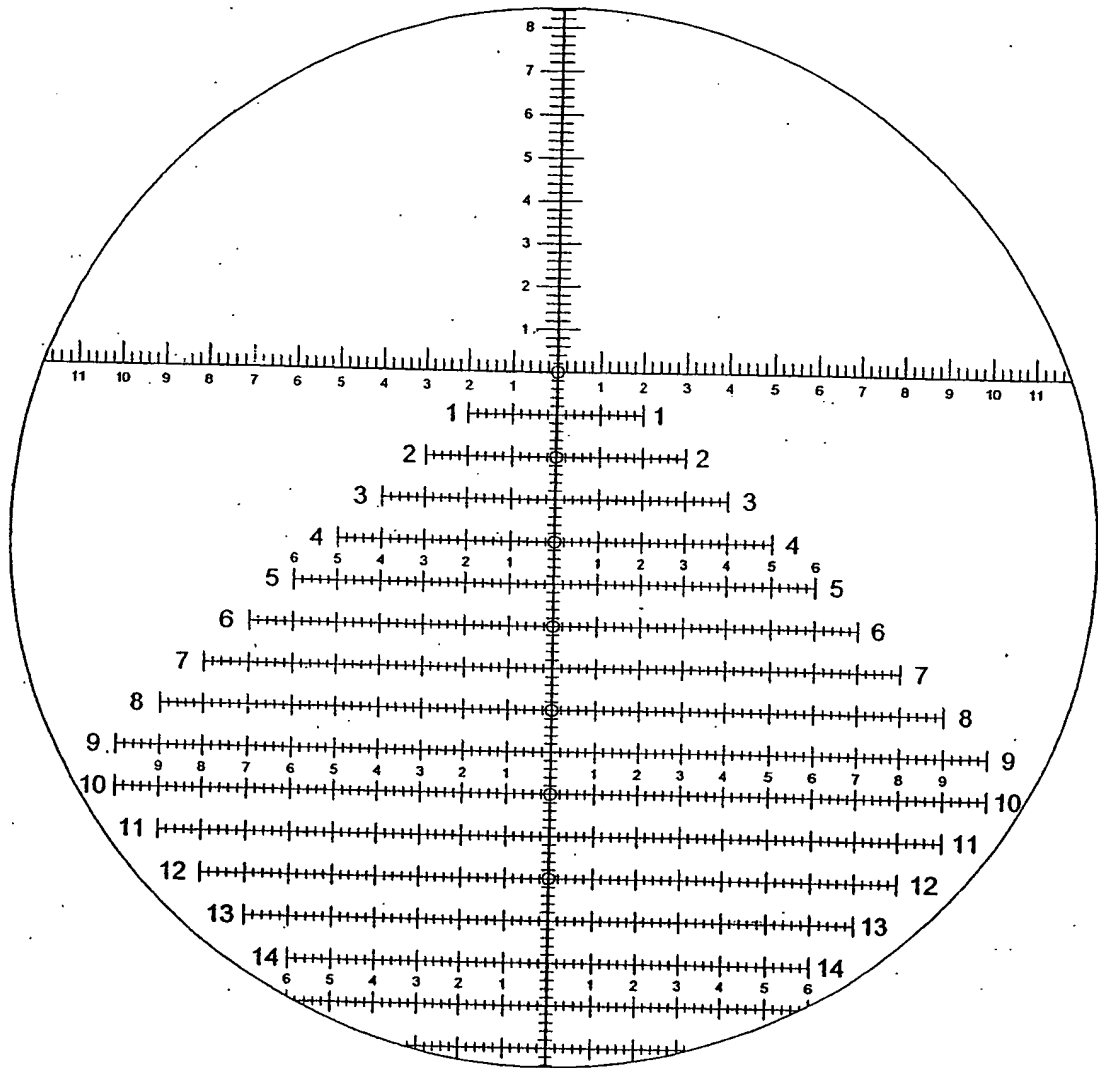


FIG. 36



H-31

FIG. 37

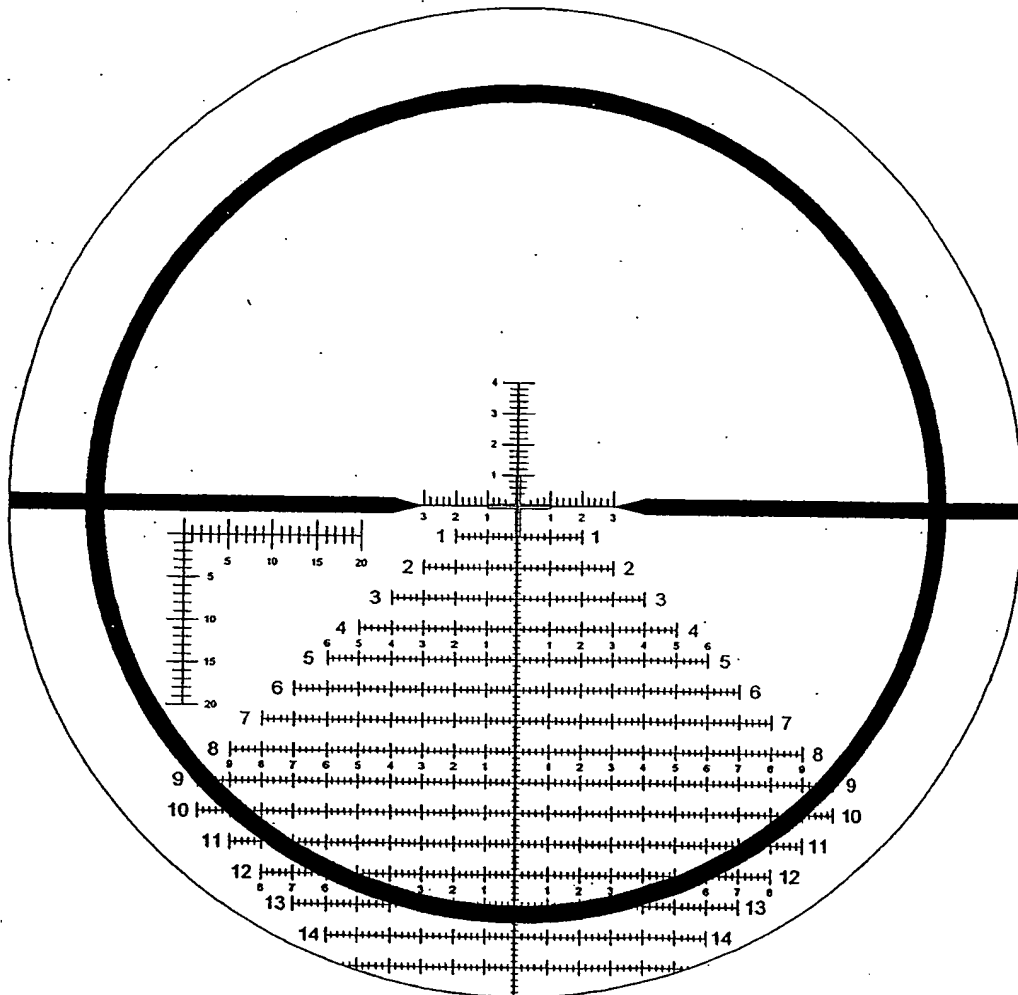


H-39

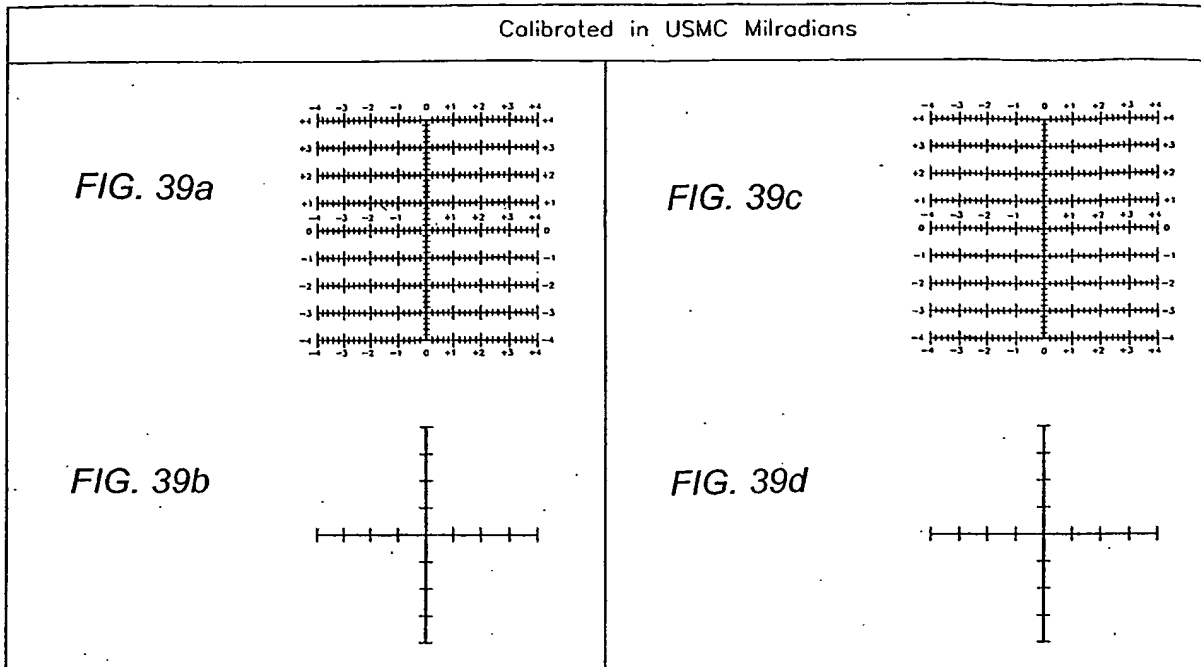
46/71



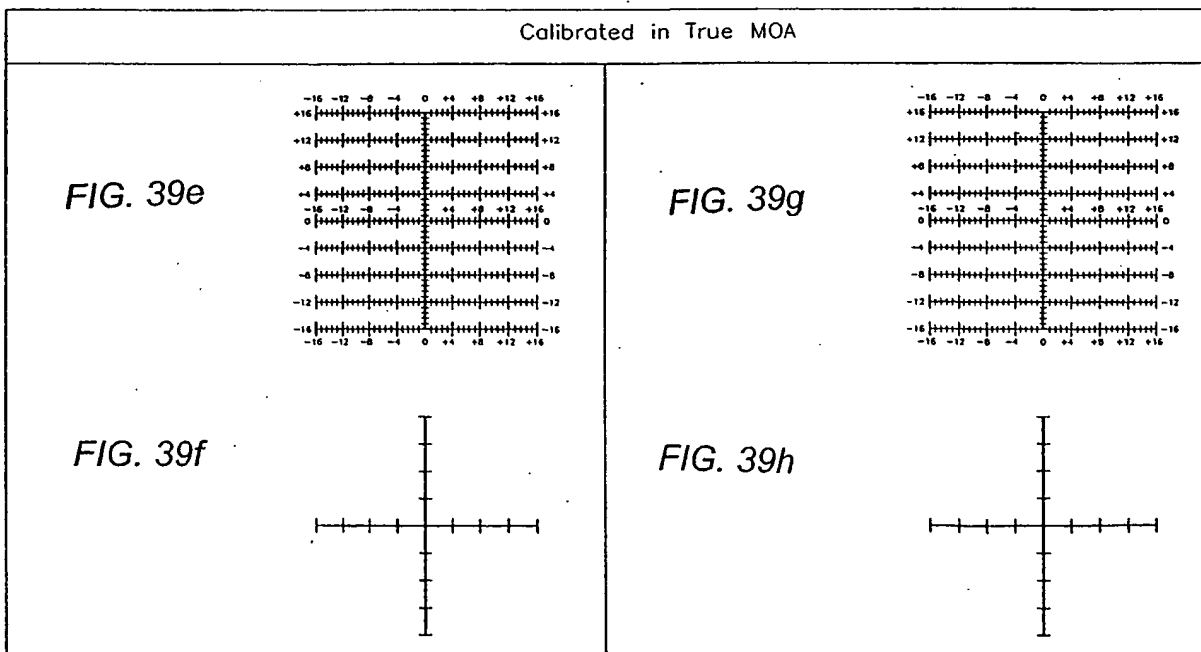
FIG. 38



H-45



Reticle can be used in 1st or 2nd plane.



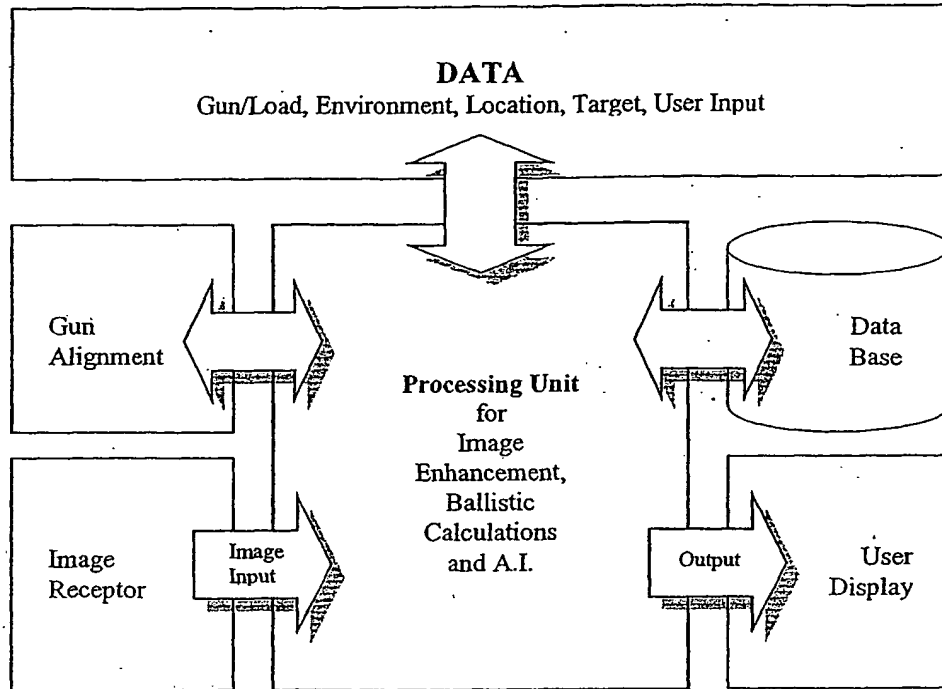


FIG. 40

FIG. 41a

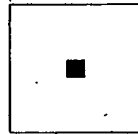


FIG. 41b

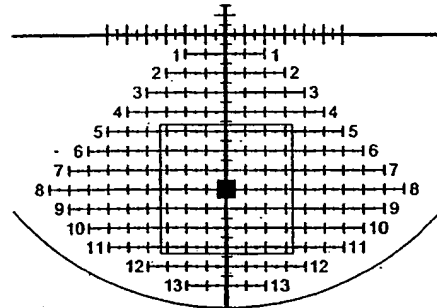


FIG. 41c

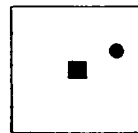


FIG. 41d

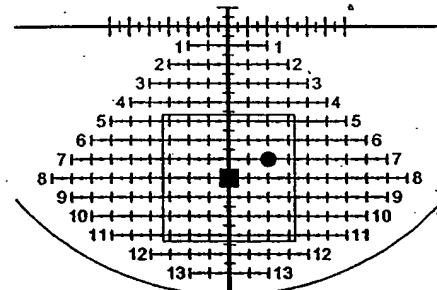


FIG. 41e

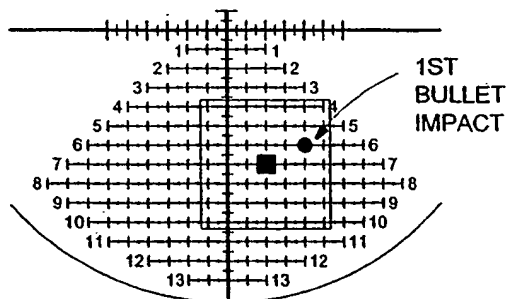


FIG. 41f

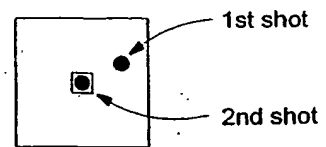
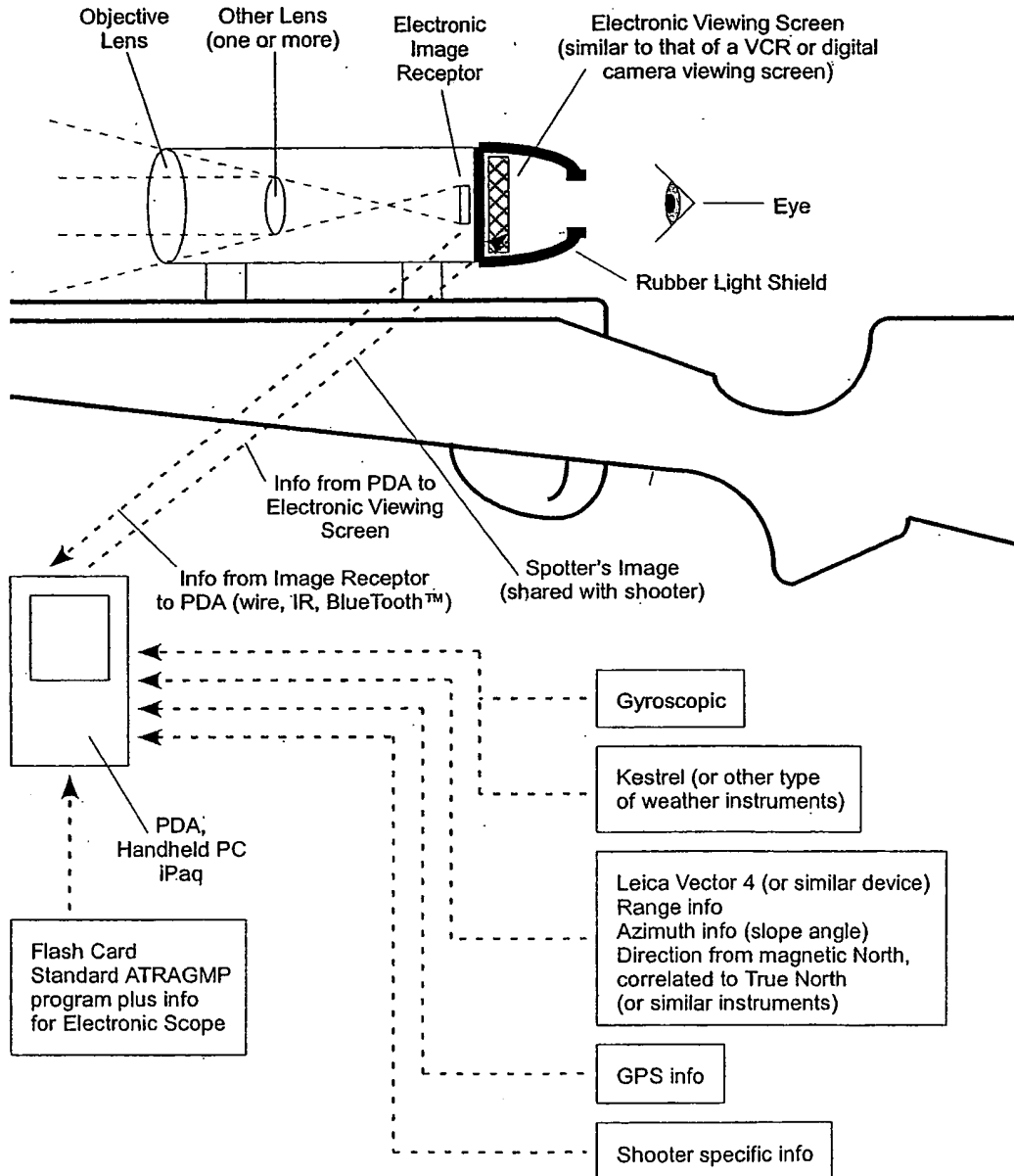
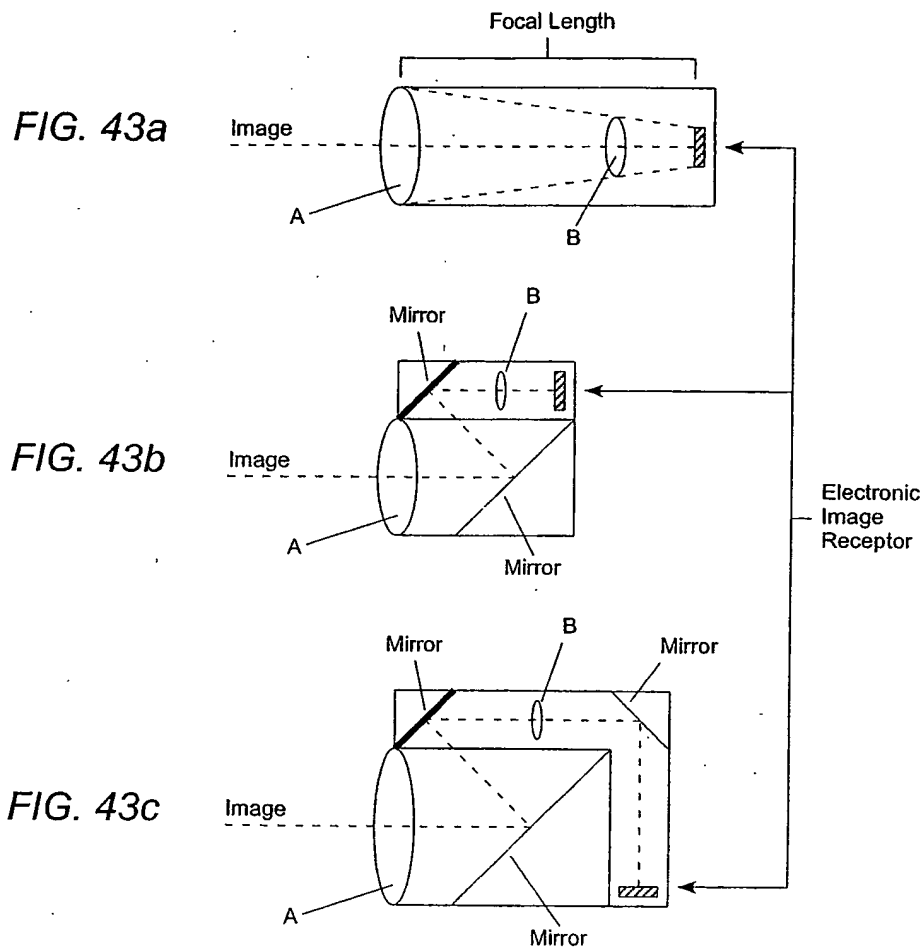


FIG. 42

## Overview



# Electronic Target Acquisition Device



A = Objective lens

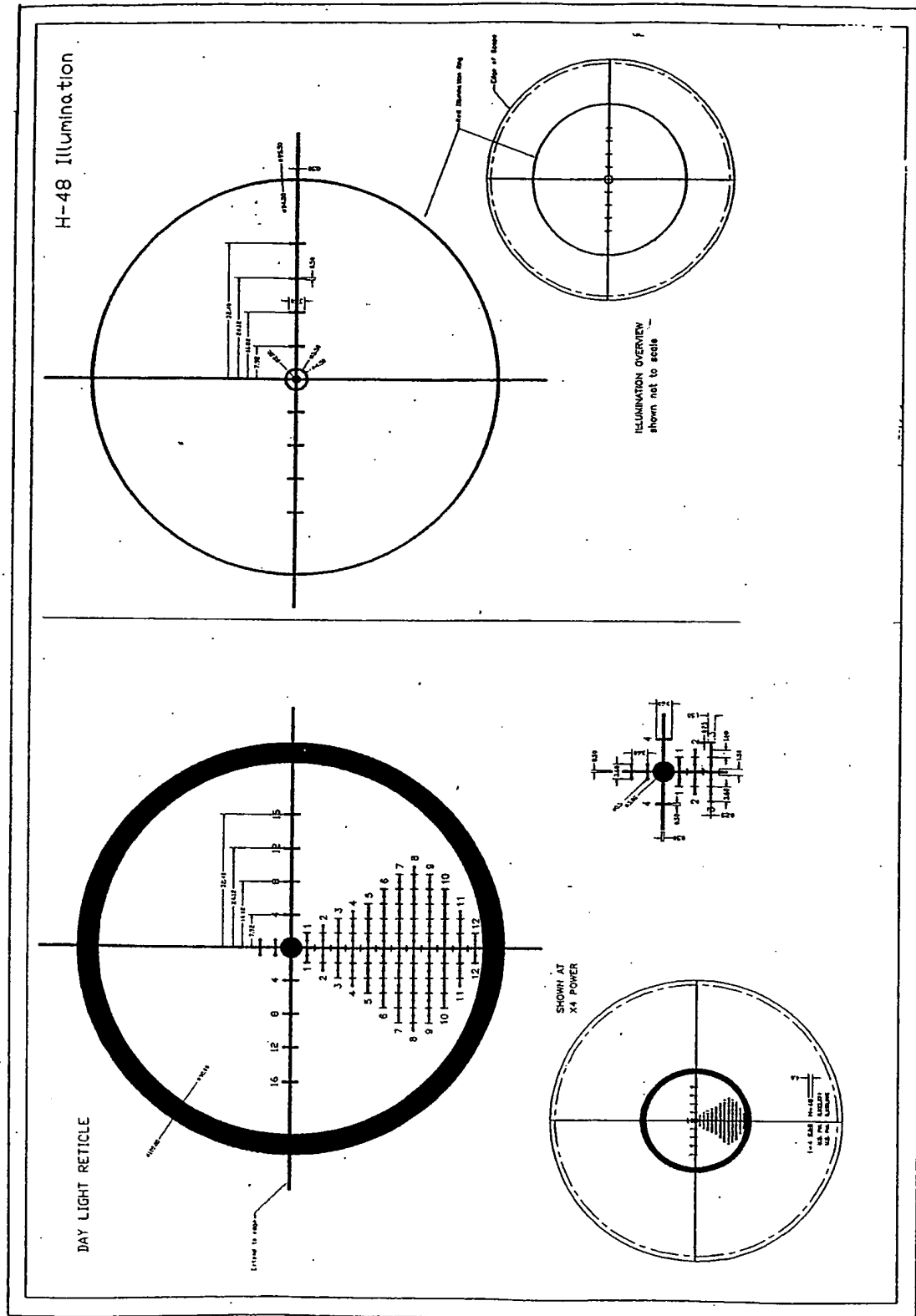
B = Additional lenses (one or more)

FIG. 43a = Full focal length (long length tube)

FIG. 43b & FIG. 43c = Mirrors or prisms to reduce scope length

FIG. 44a

FIG. 44b



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FIG. 45a

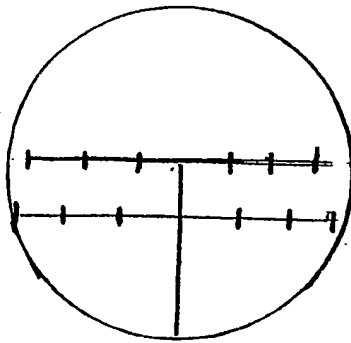




FIG. 45b

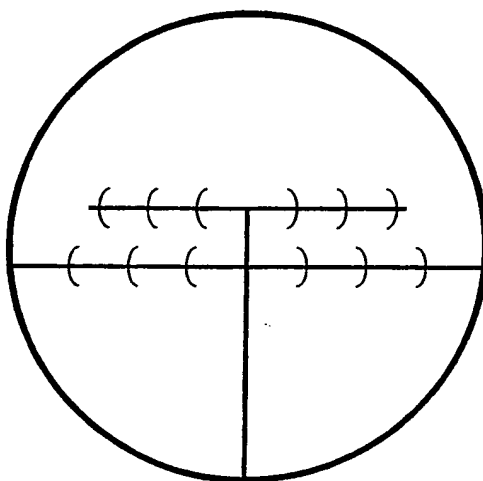


FIG. 45c

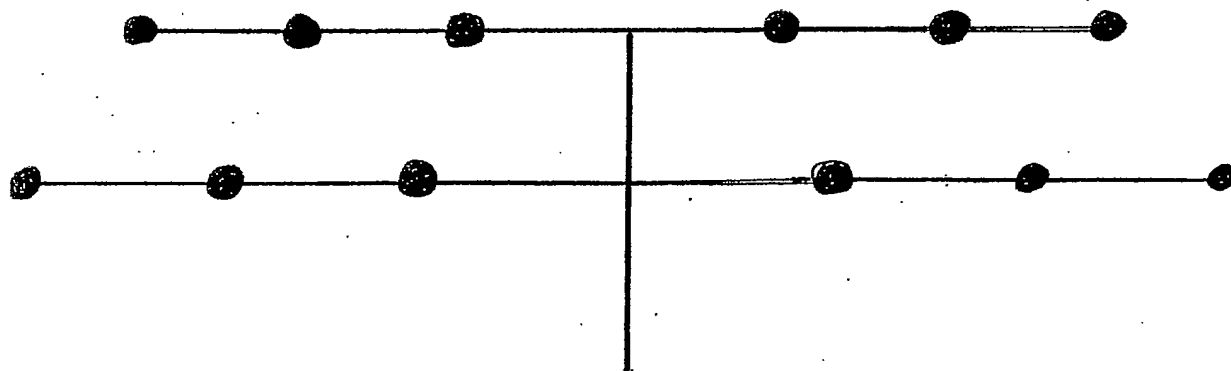


FIG. 45d

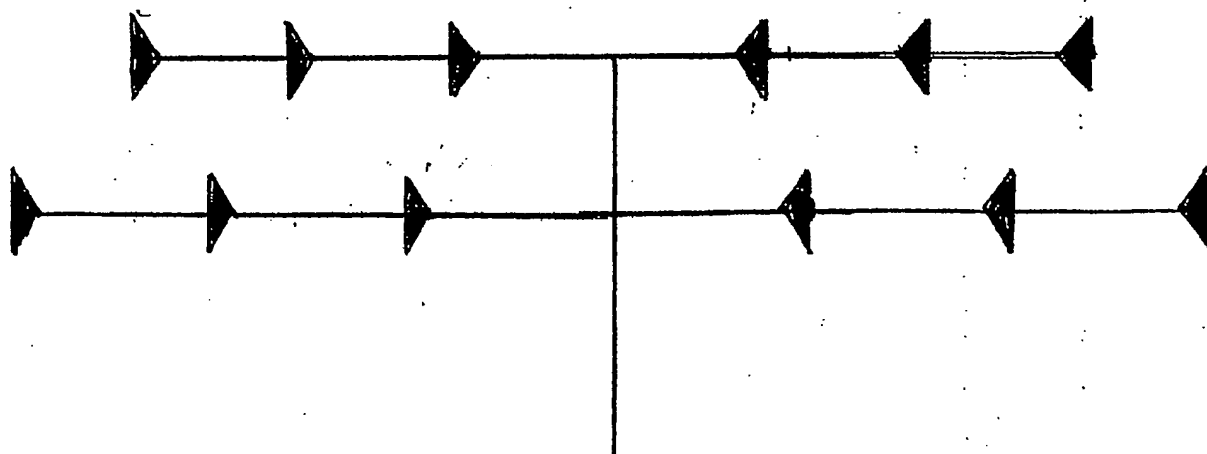


FIG. 45e

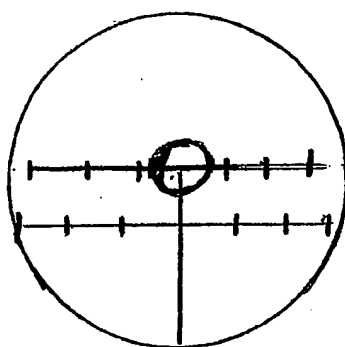


FIG. 45f

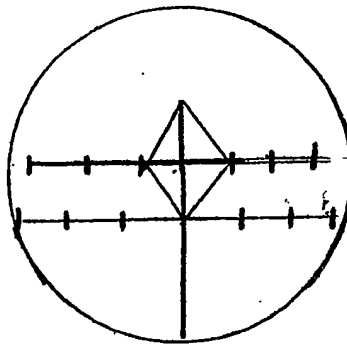


FIG. 46a

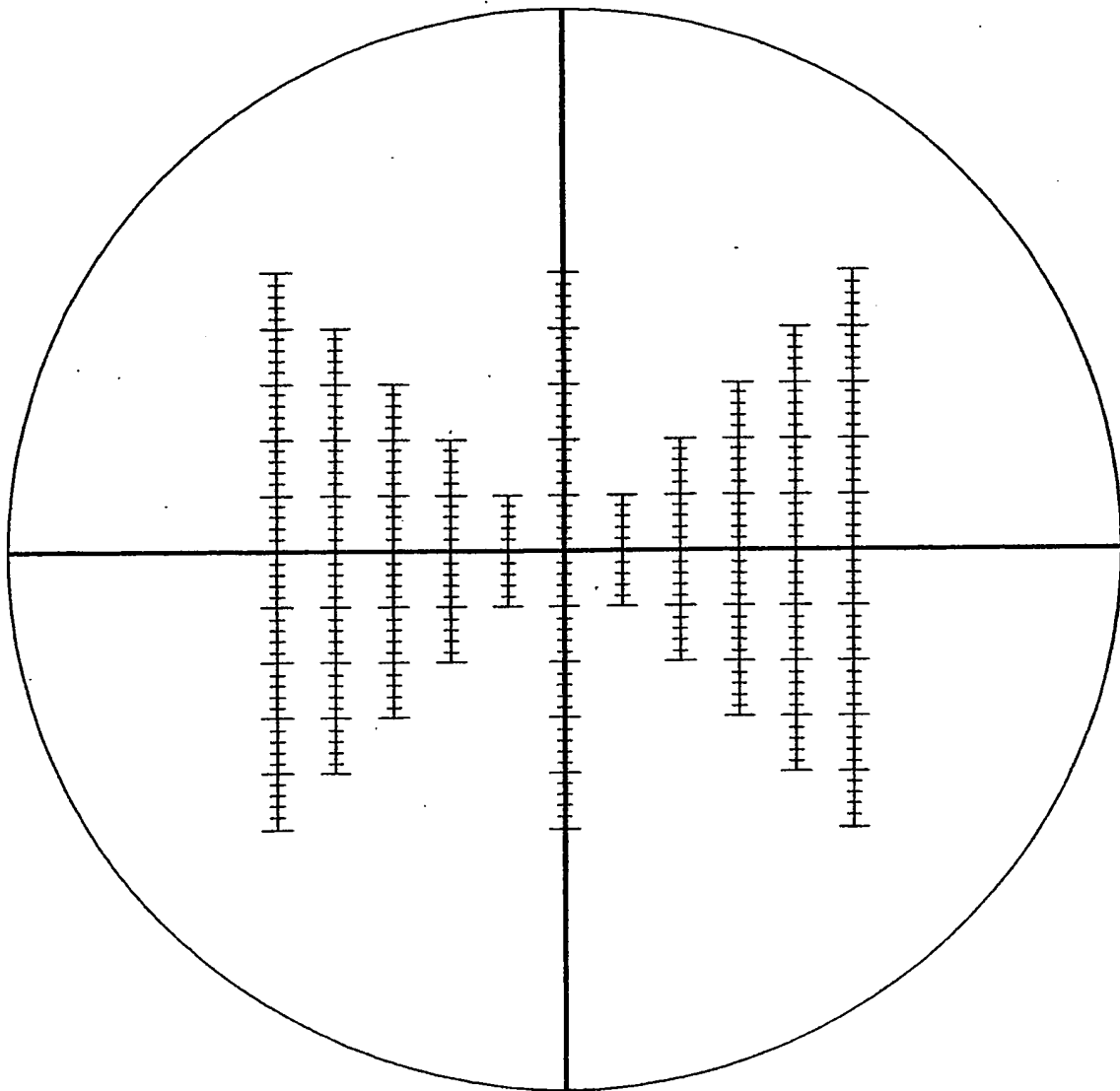


FIG. 46b

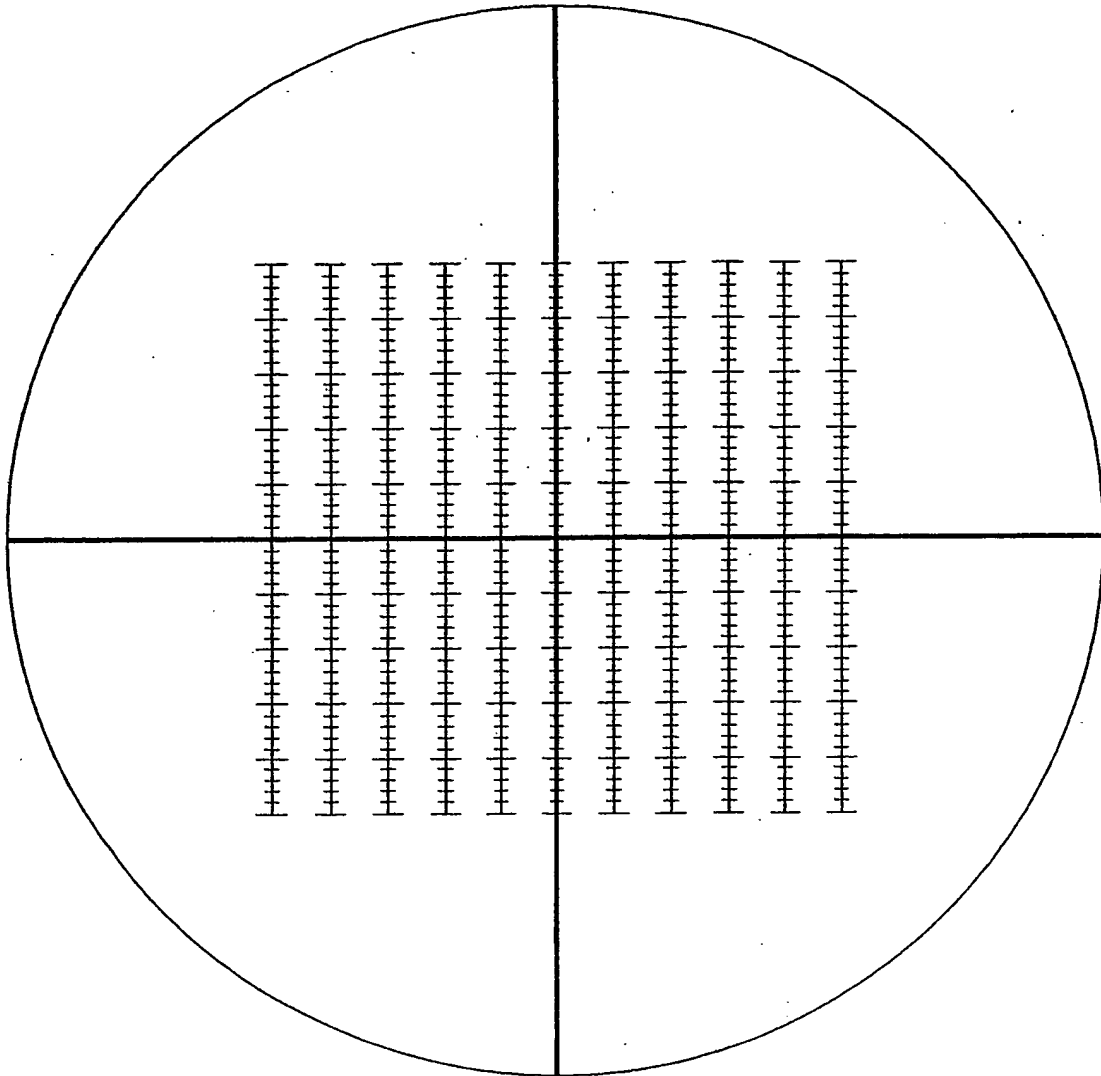


FIG. 47

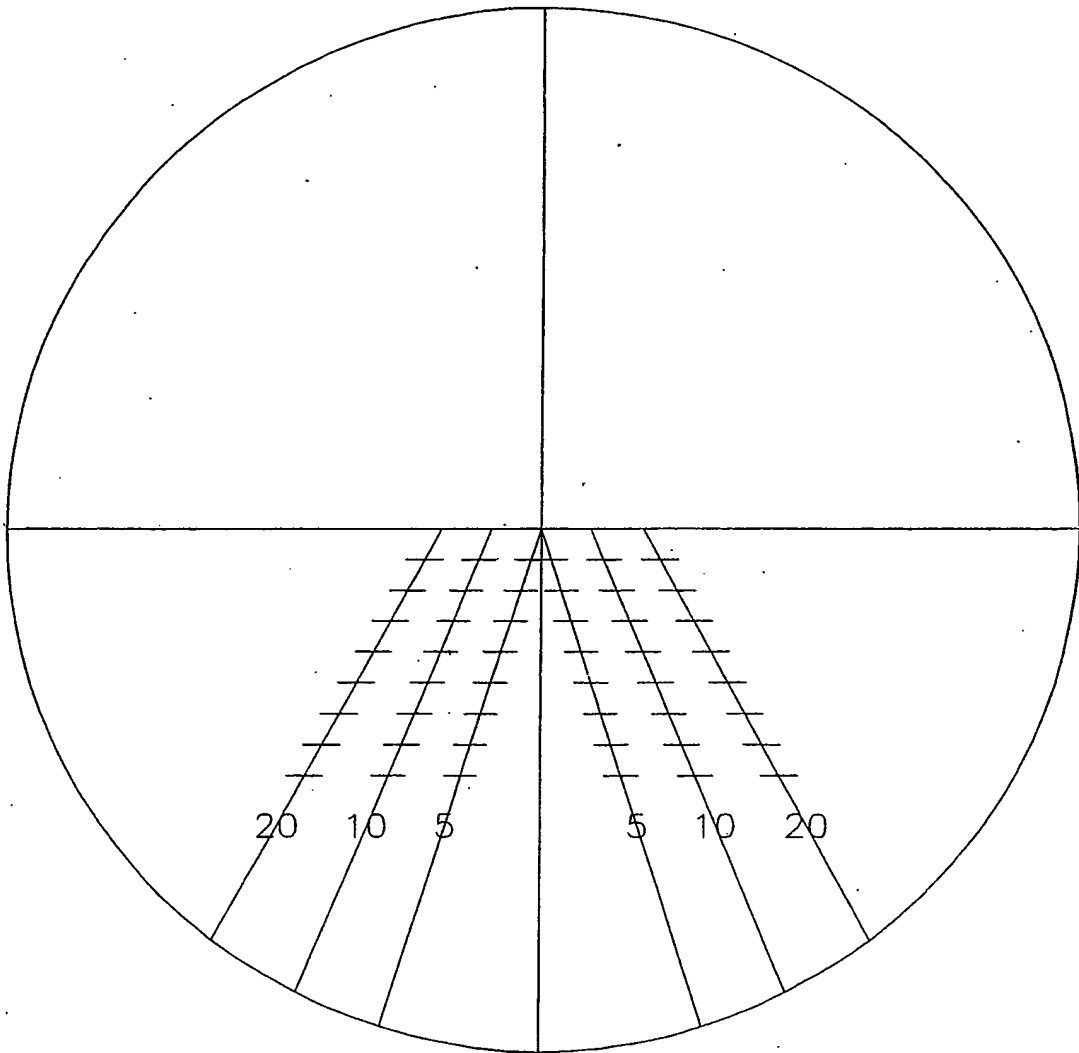


FIG. 48a

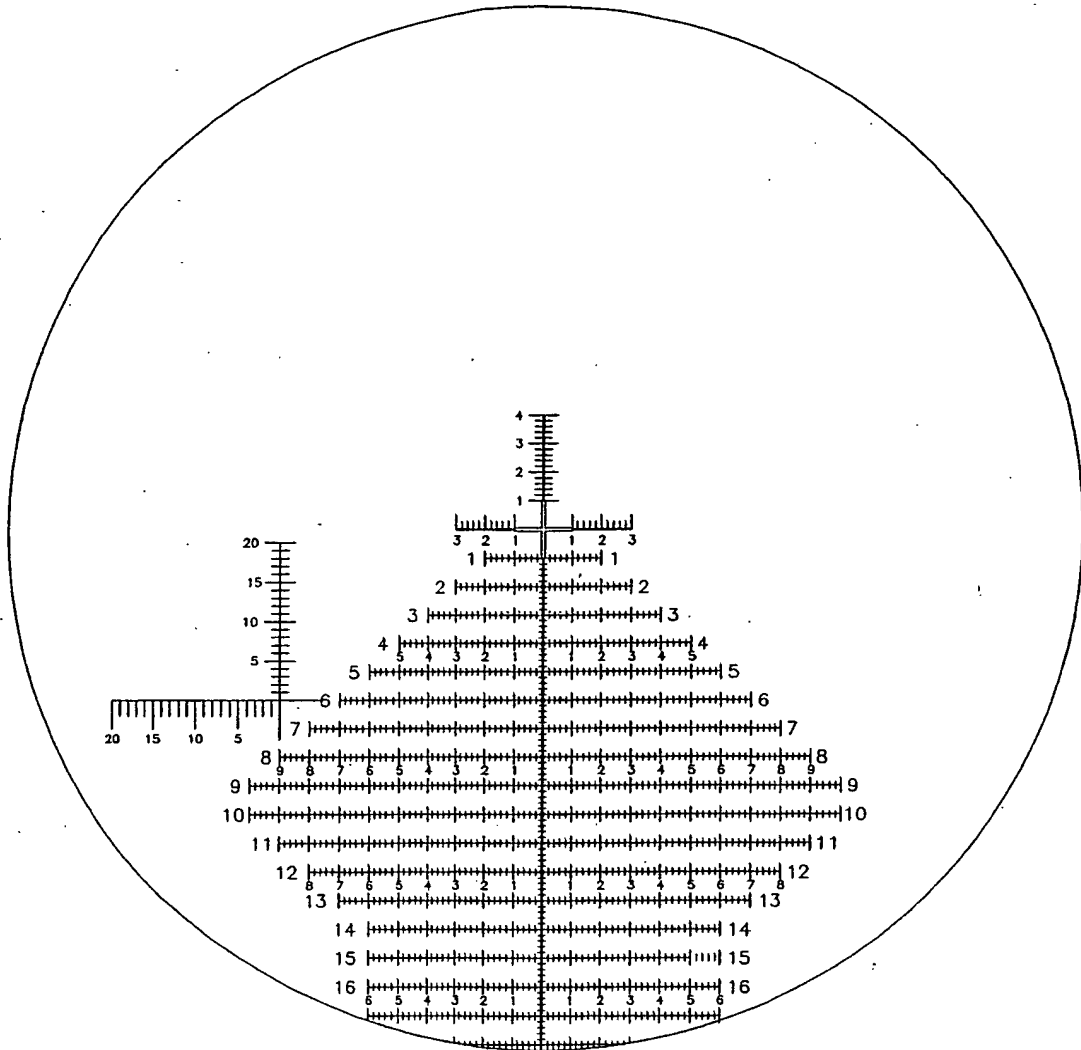




FIG. 48b

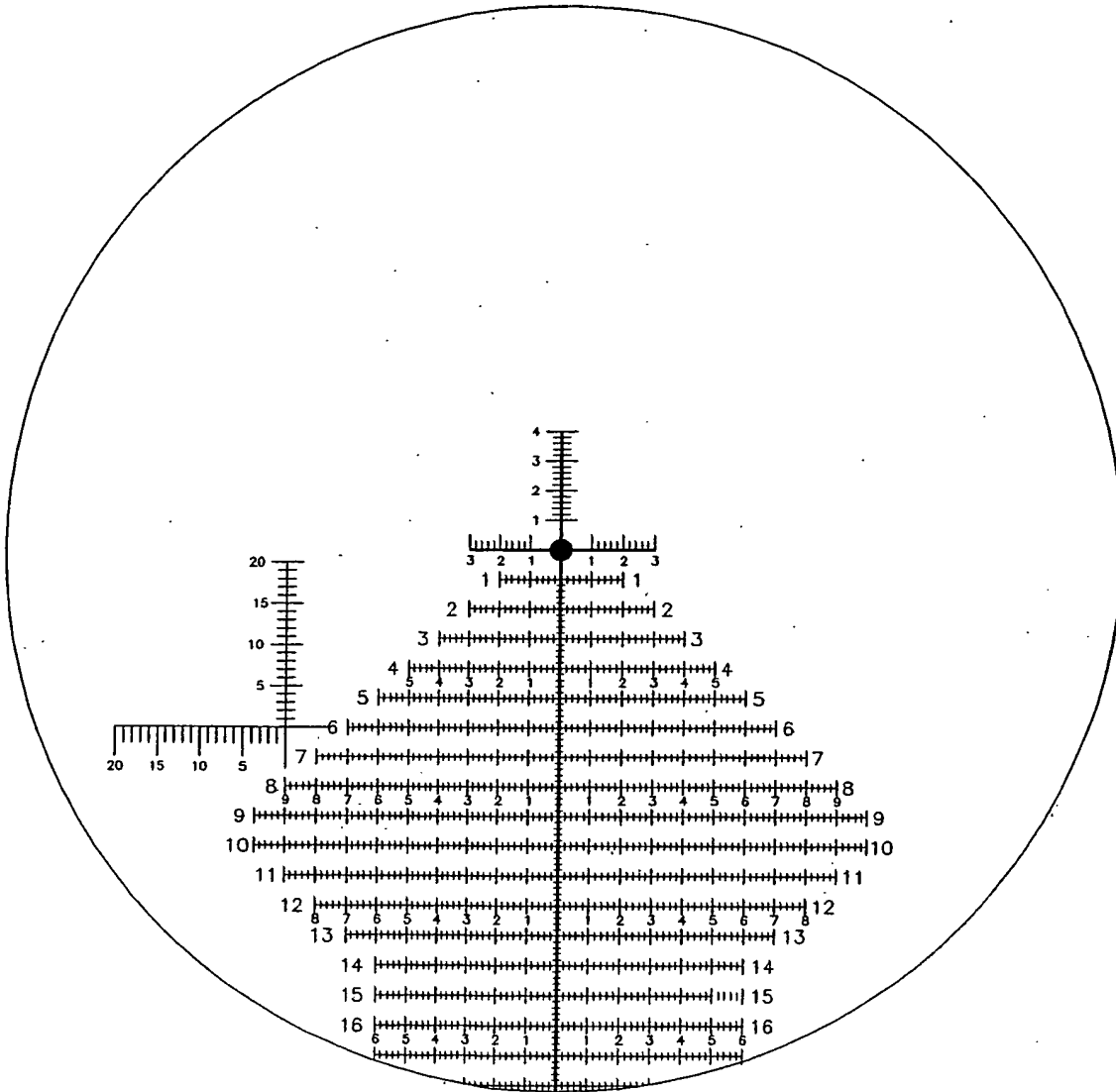


FIG. 49

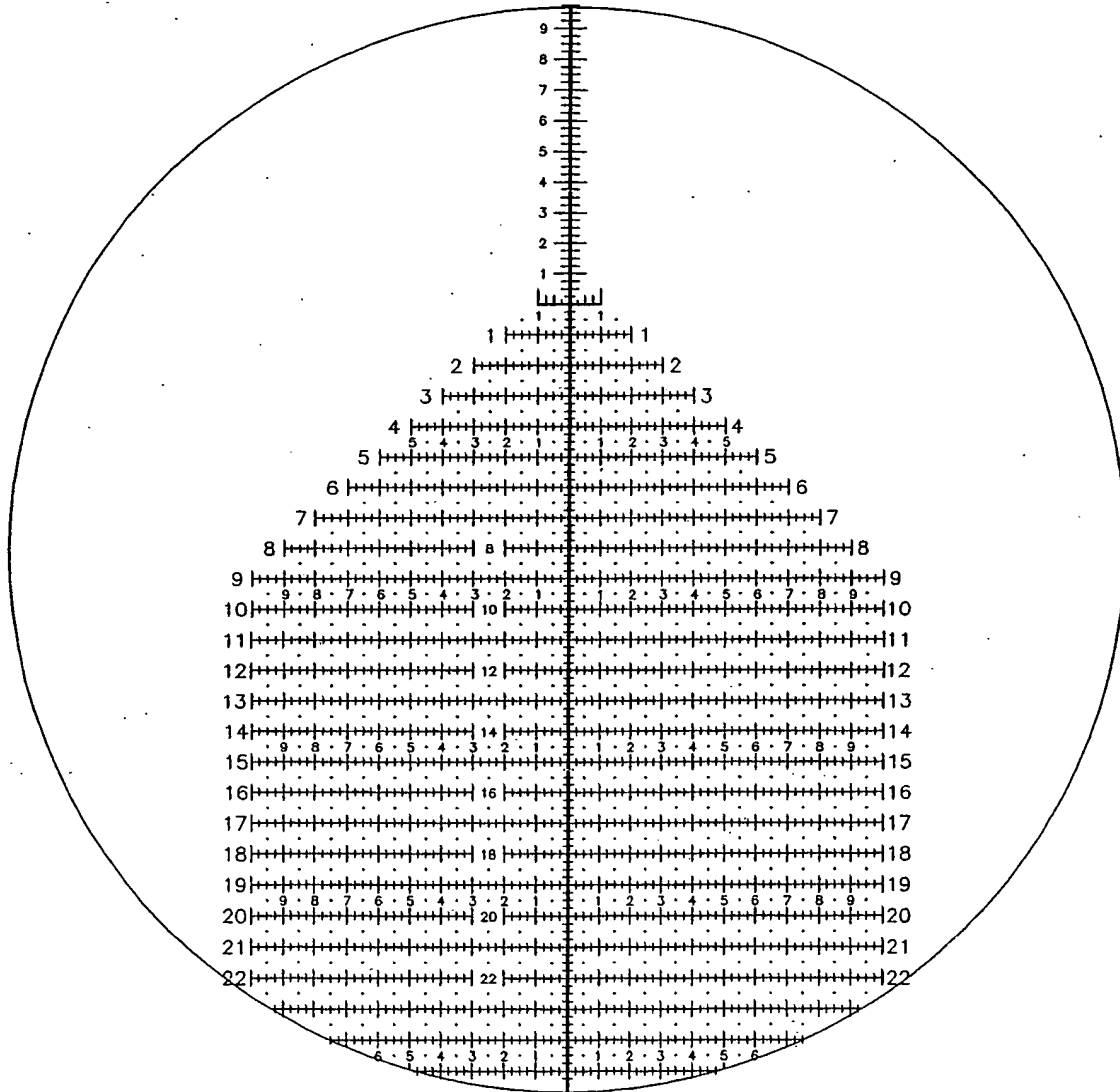


FIG. 50a

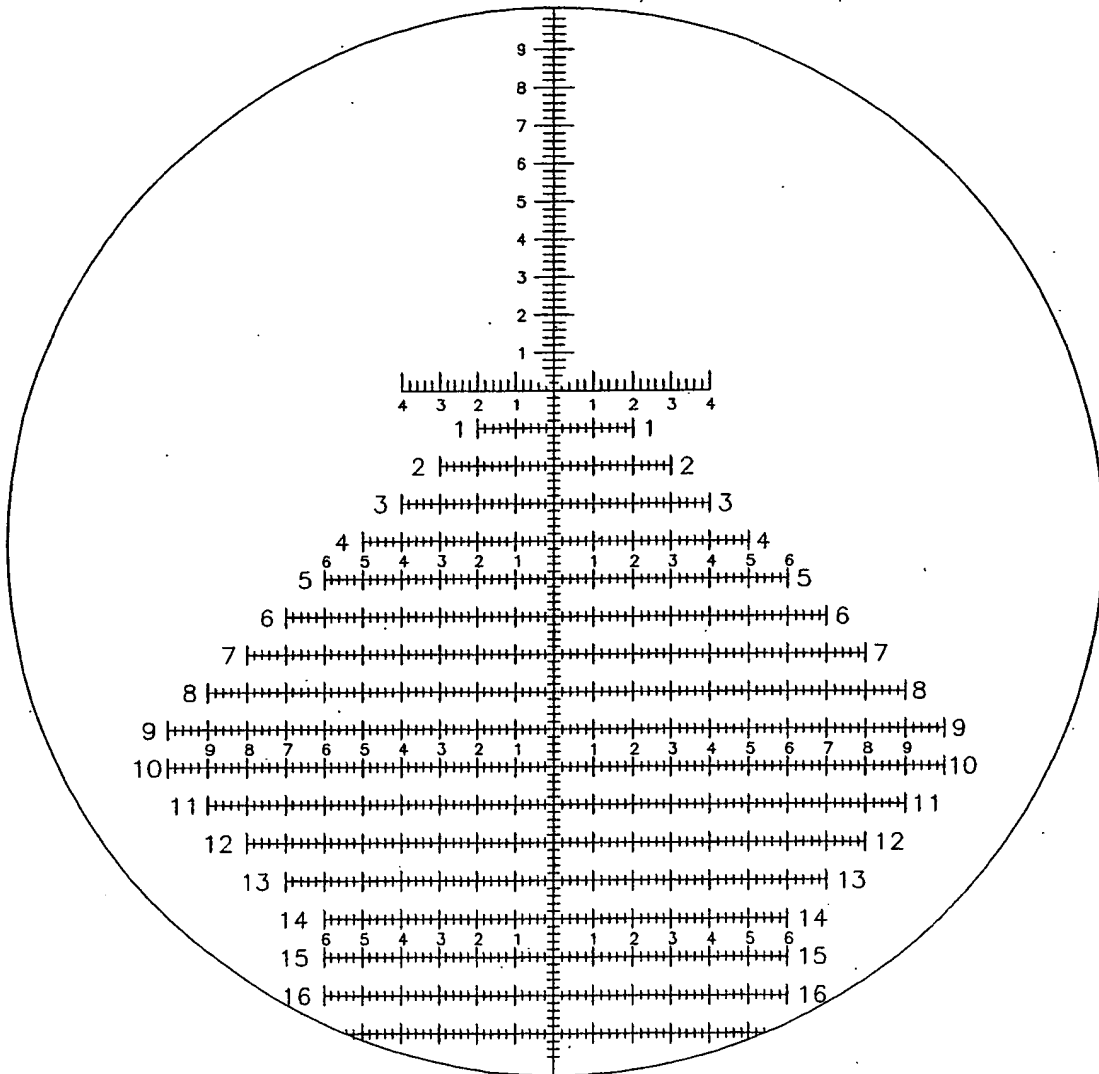


FIG. 50b

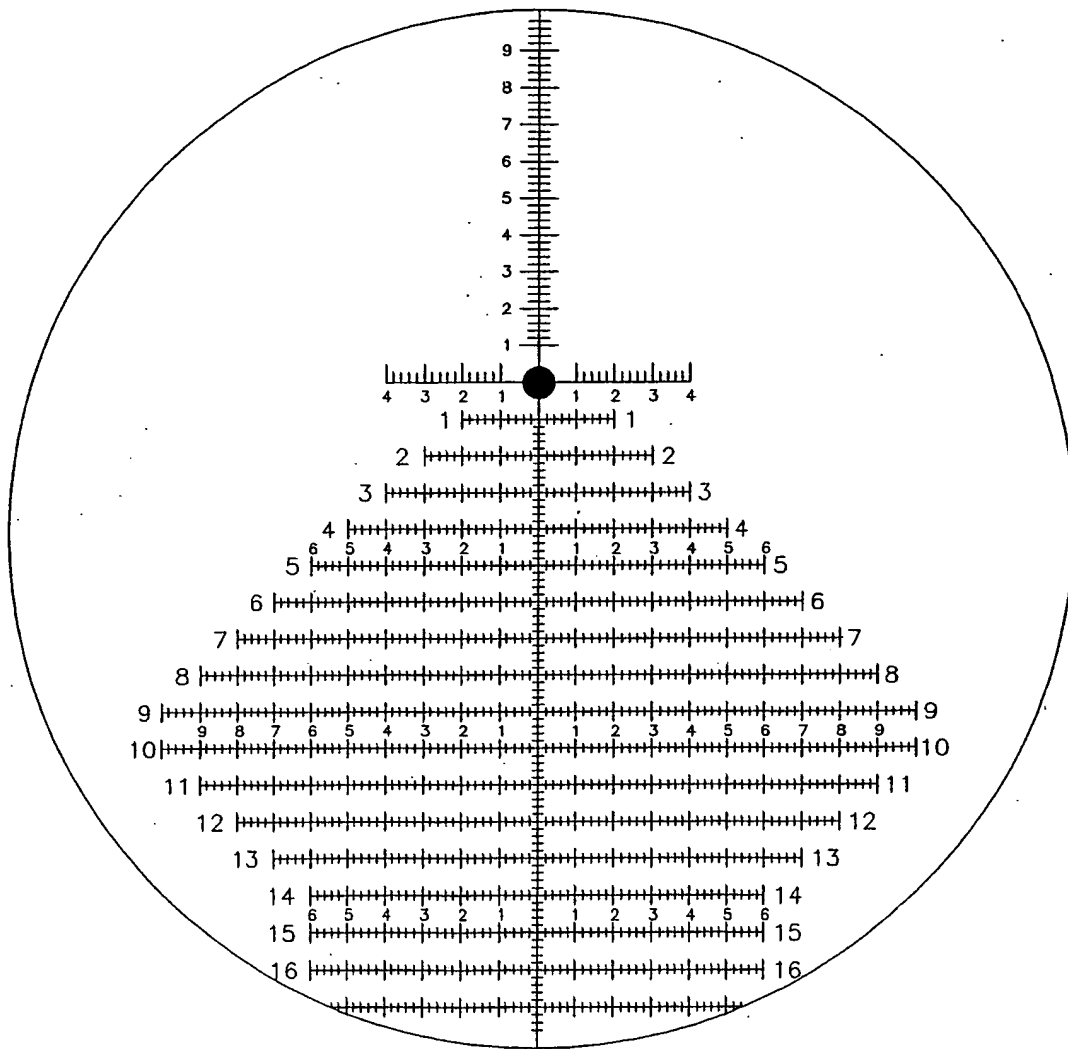


FIG. 51a

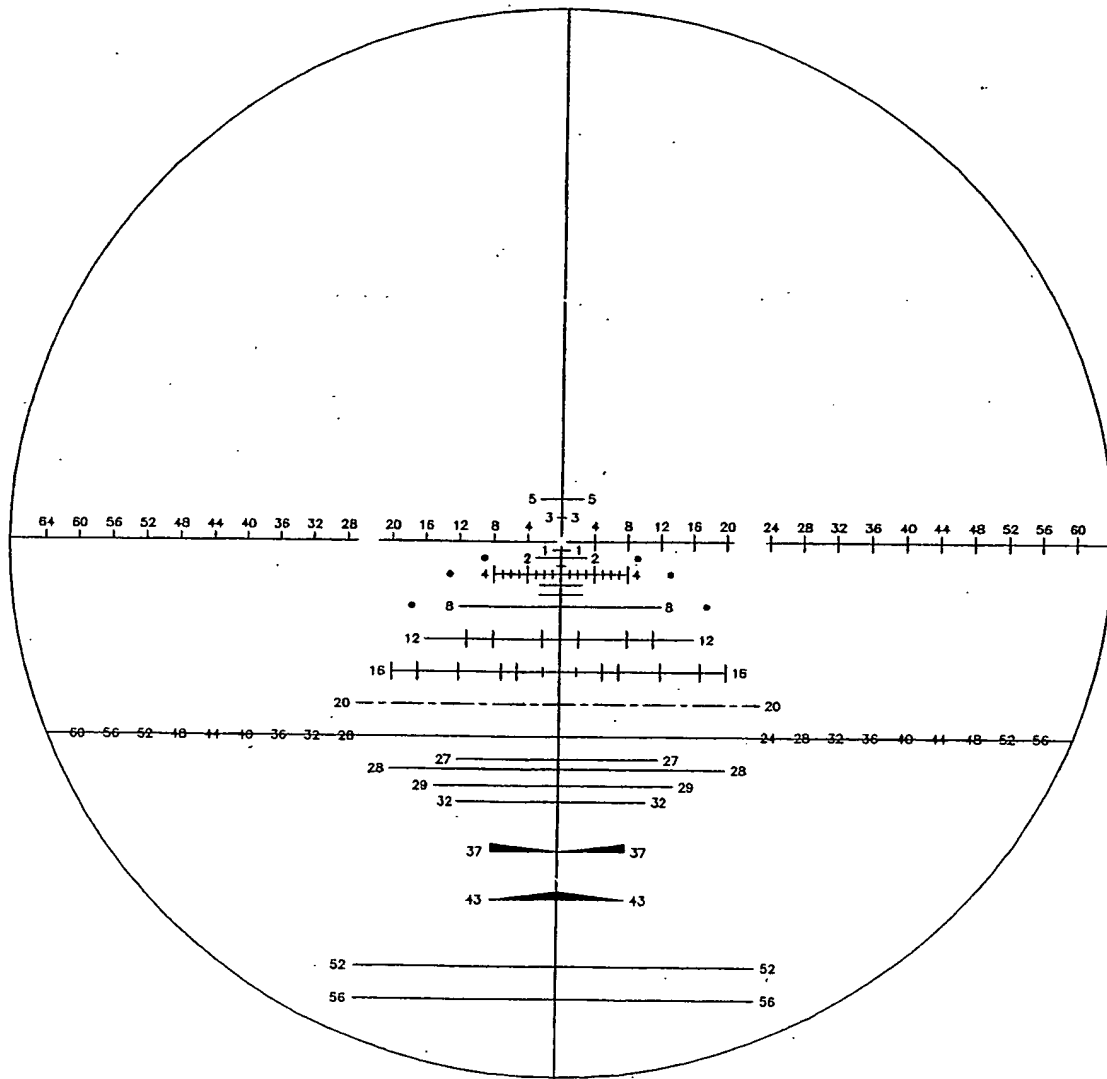


FIG. 51b

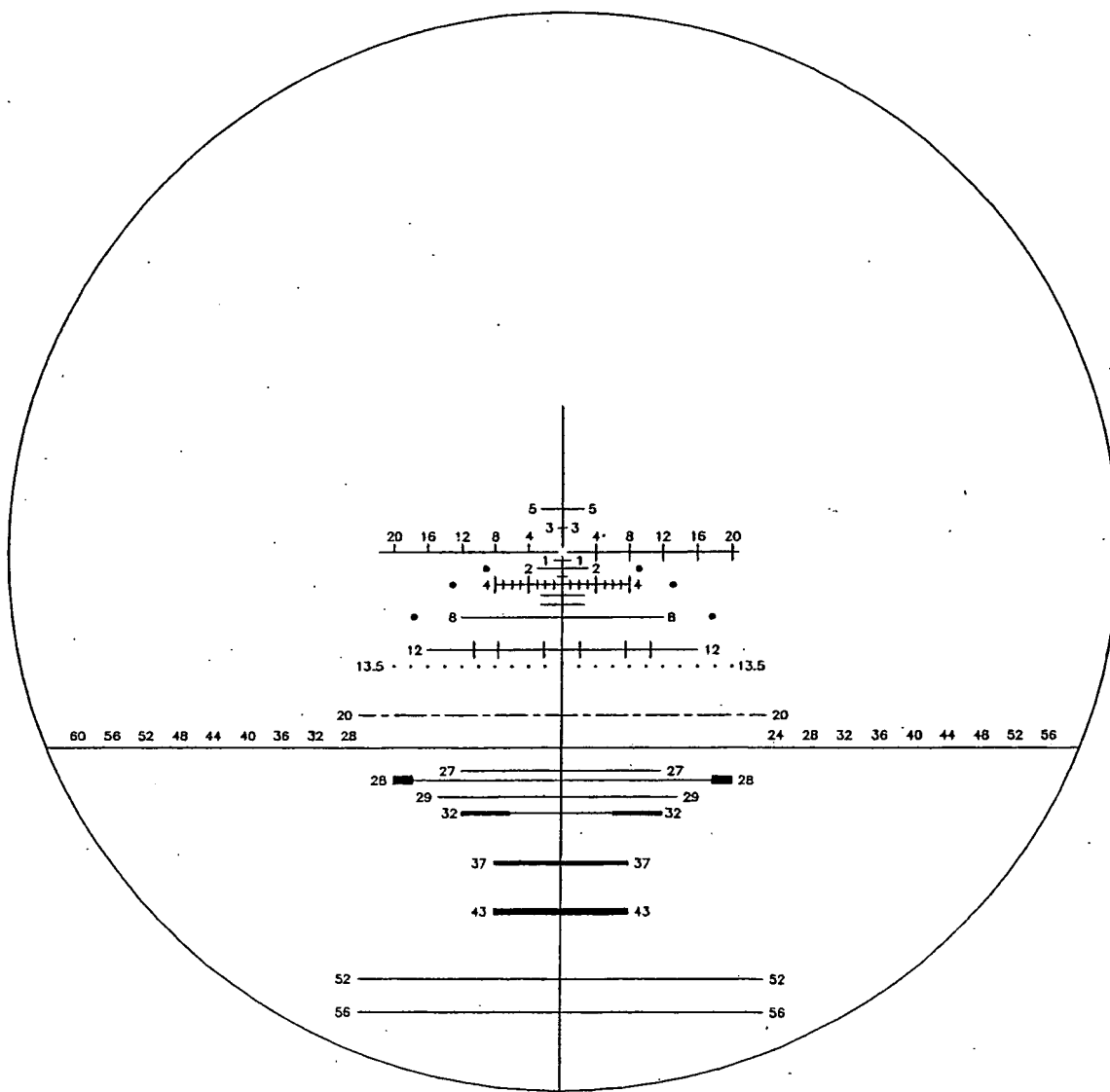


FIG. 51c

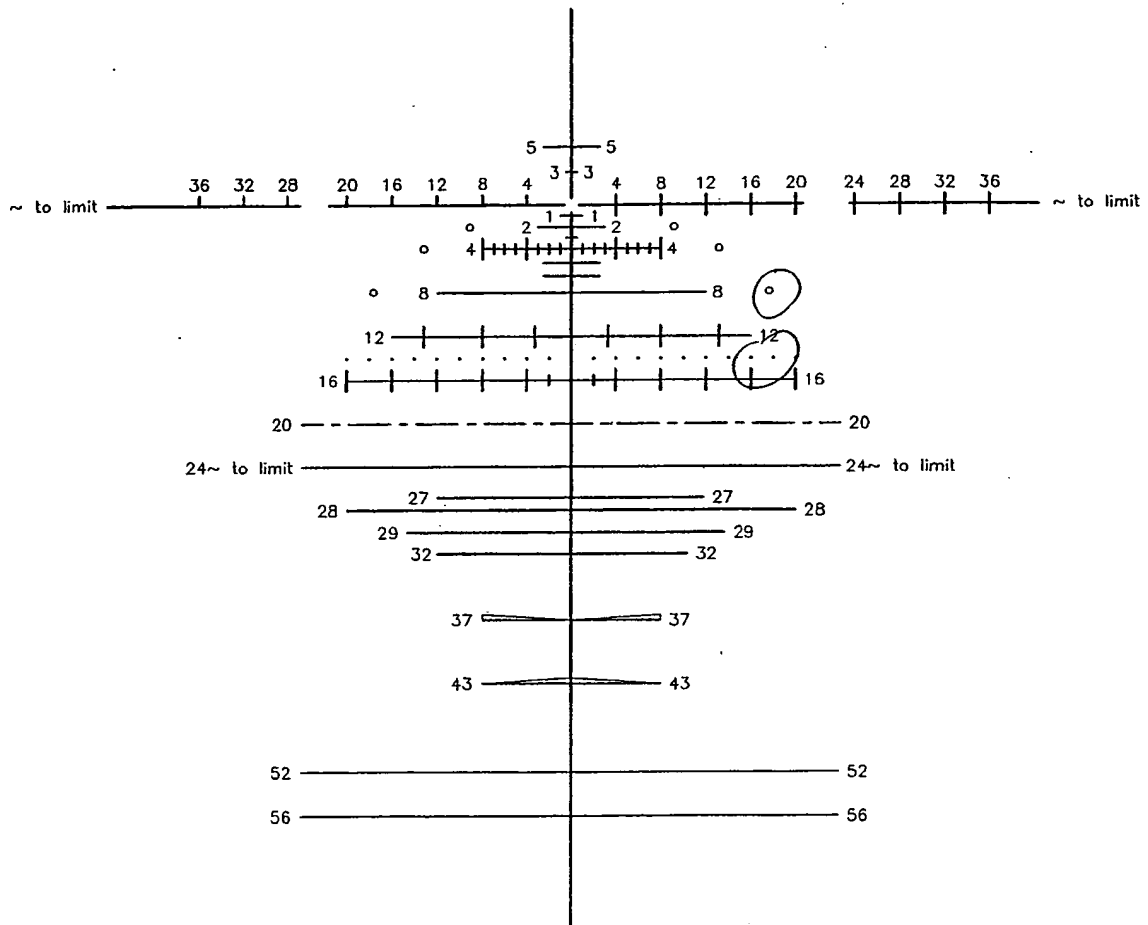


FIG. 52a

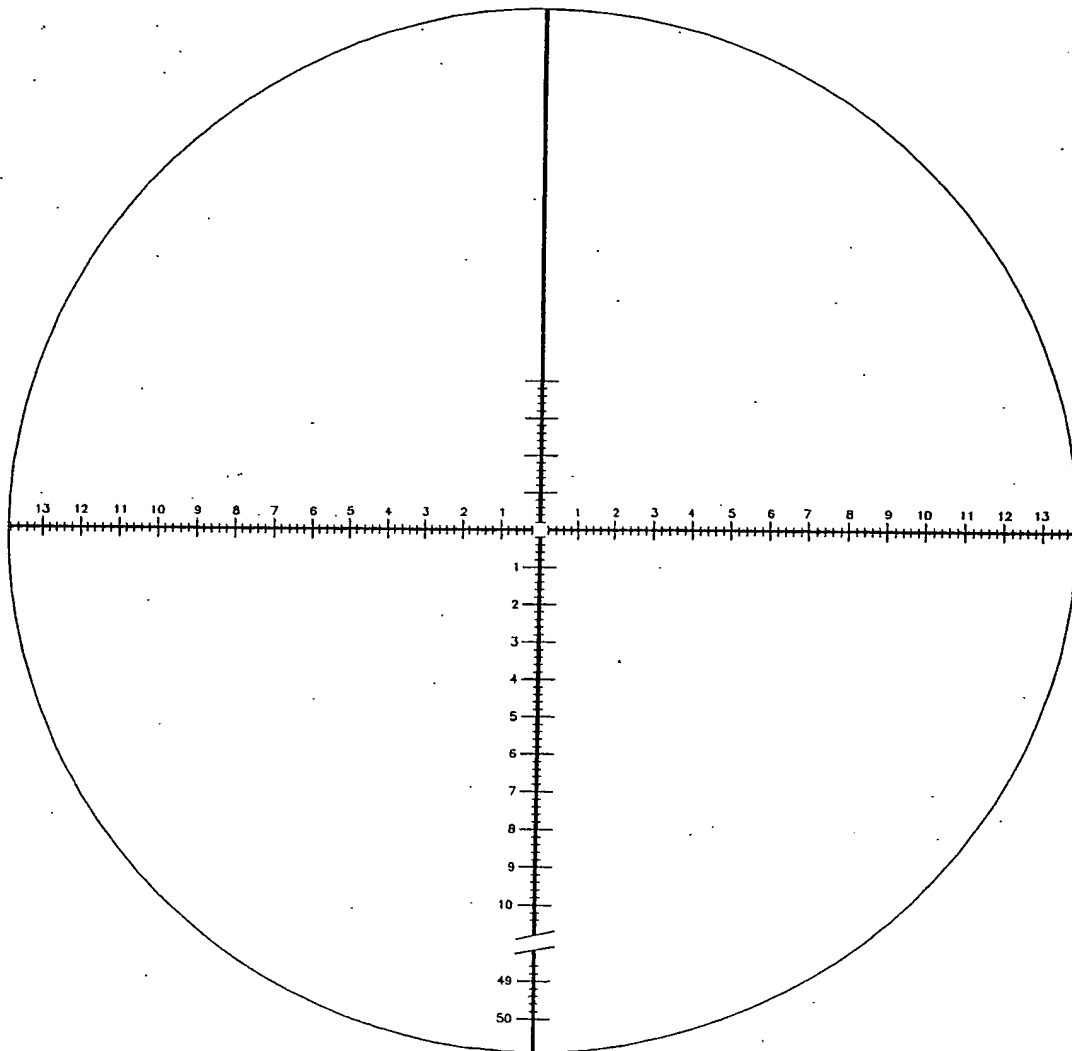




FIG. 52b

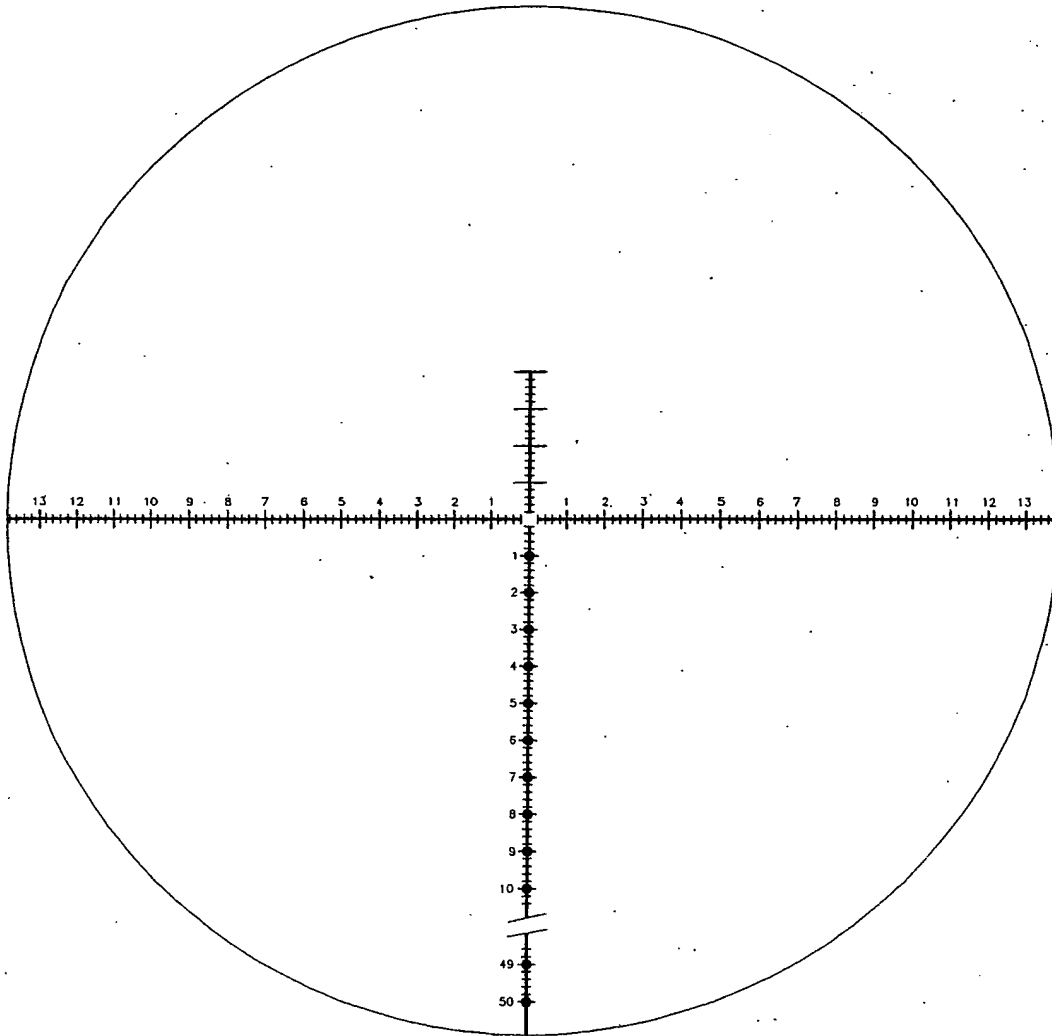


FIG. 52c

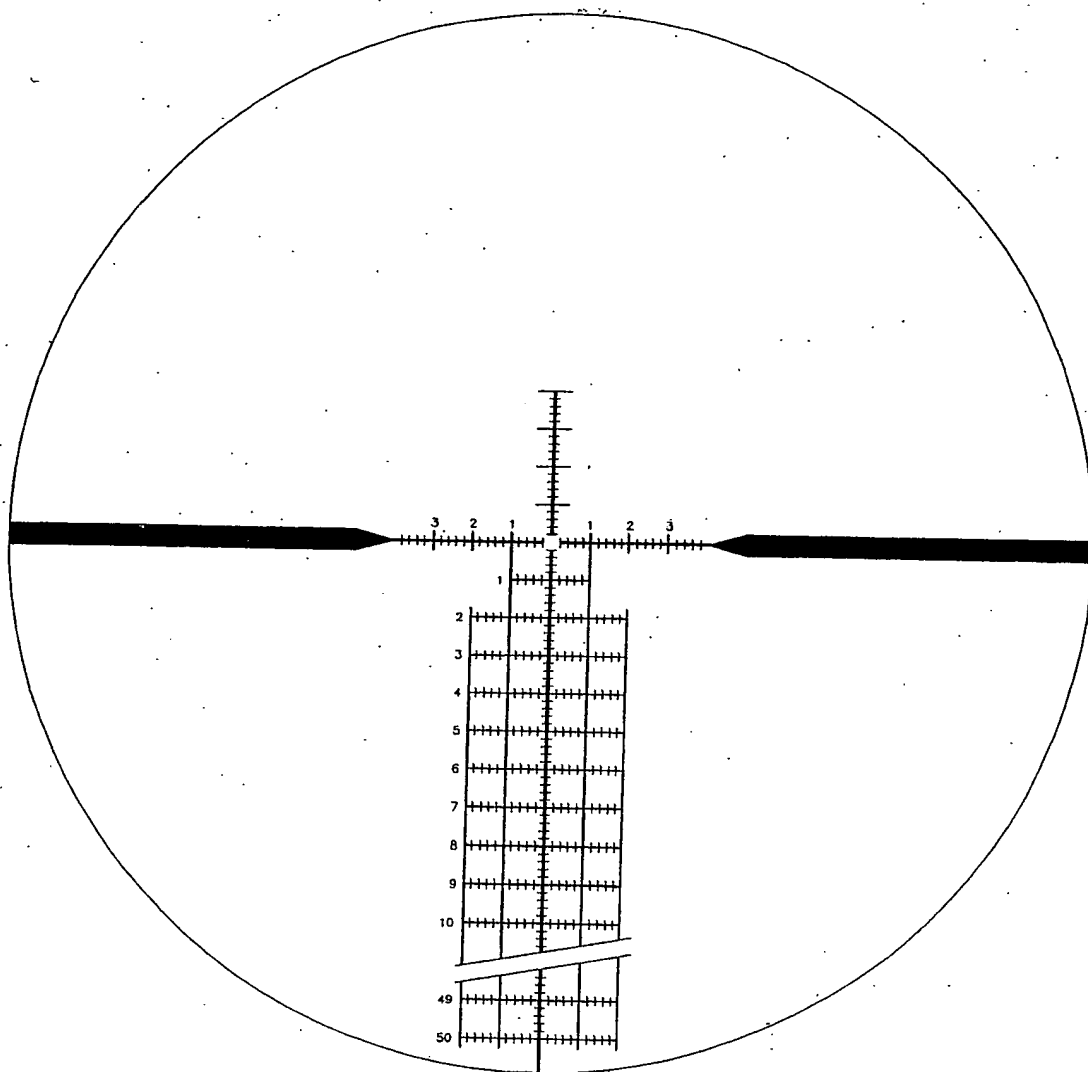


FIG. 52d

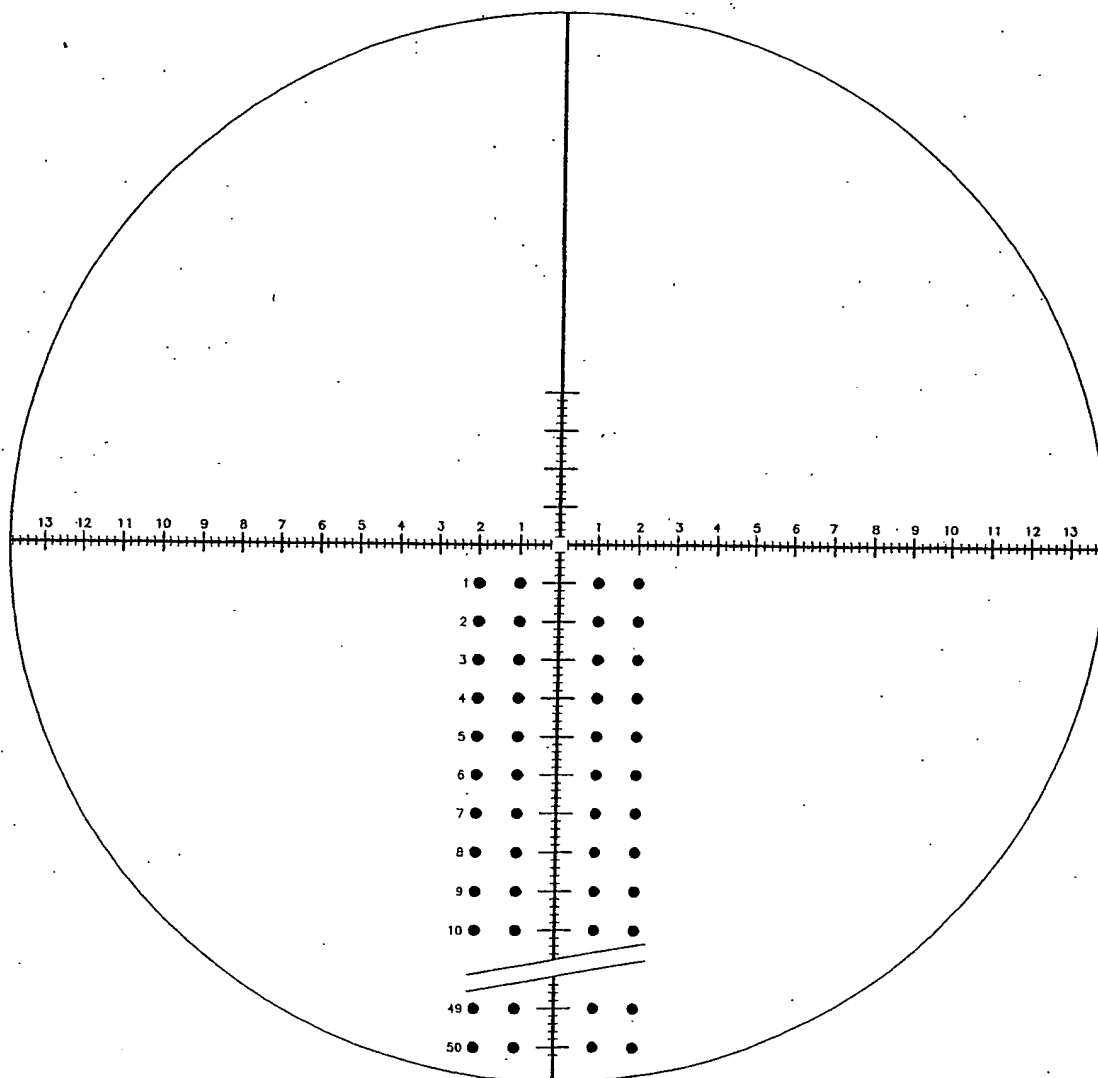




FIG. 53a

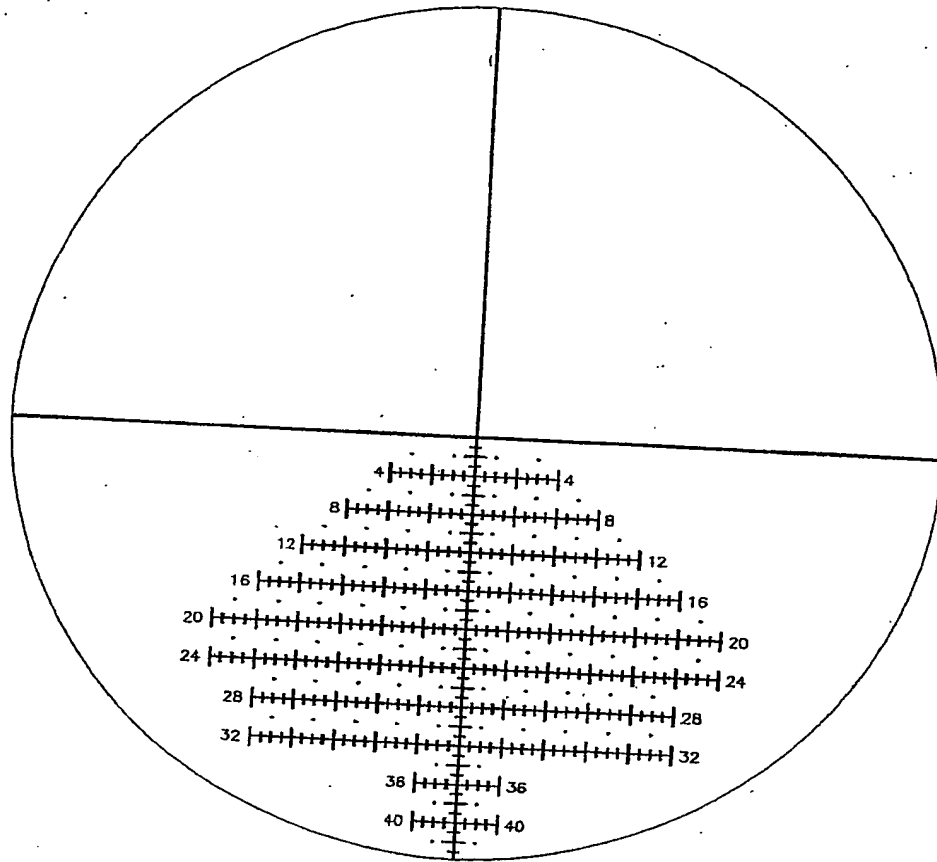


FIG. 53b

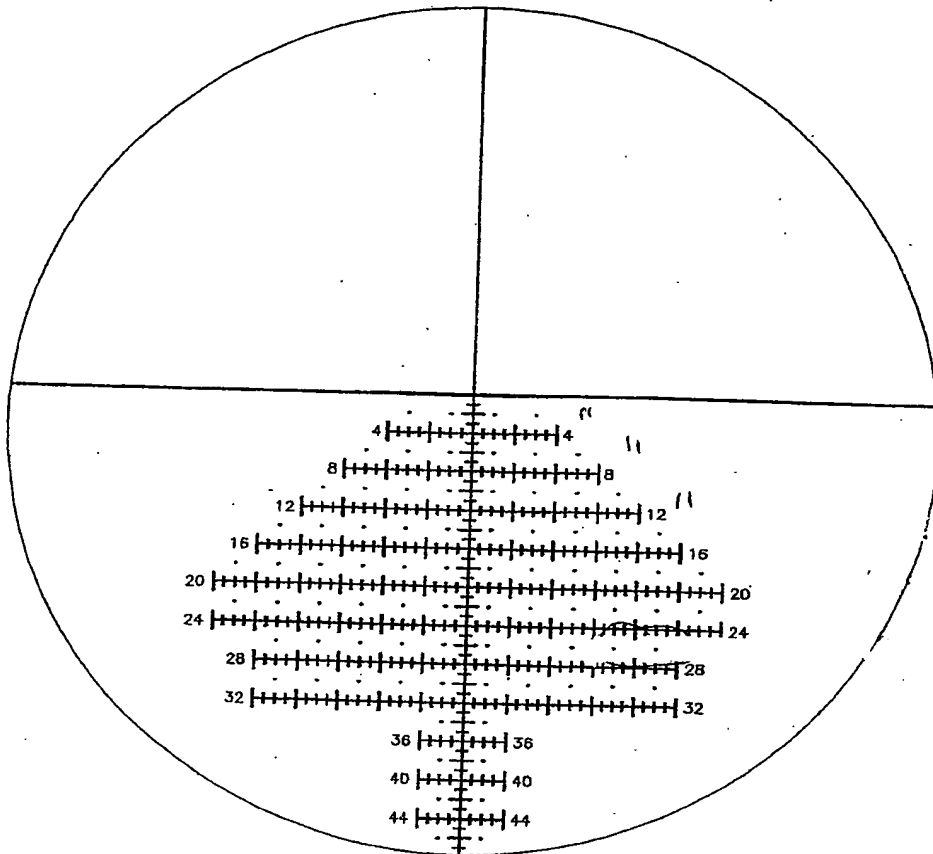
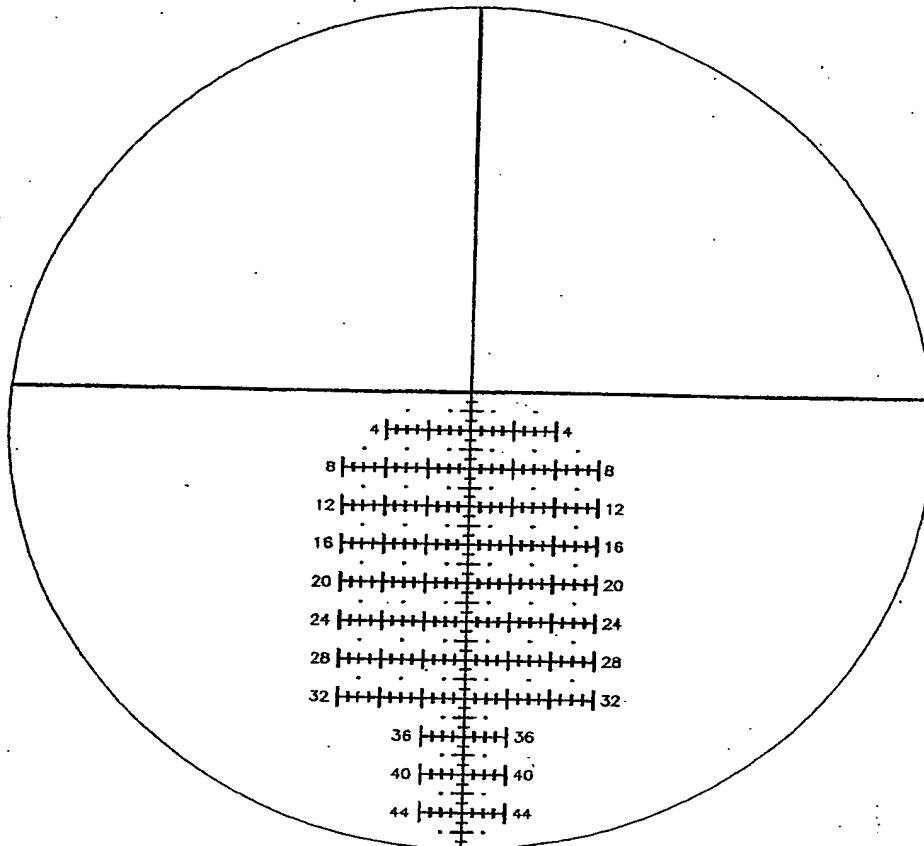


FIG. 53c



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